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The Forty-sixth

ANNUAL REPORT

OF

The Royal Zoological Society

OF IRELAND,

FOR THE YEAR ENDED 31ST DECEMBER, 1877.

DUBLIN:
BROWNE & NOLAN, PRINTERS, NASSAU-STREET.
1878.

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(4 vols)

OFFICERS AND COUNCIL, 9th JANUARY, 1878.

PATRONESS.

HER MAJESTY THE QUEEN.

EX-PRESIDENTS.

HIS GRACE THE DUKE OF LEINSTER.
LORD TALBOT DE MALAHIDE.
SIR DOMINIC CORRIGAN, BART., M.P.
VISCOUNT POWERSCOURT.
EARL SPENCER, K.G.

PRESIDENT.

J. W. MURLAND, M.A.

VICE-PRESIDENTS.

BARTON, H. M., ESQ.
CARTE, W., J.P.
FINDLATER, W., ESQ.
GORDON, S., M.D.
LENTAIGNE, J., C.B.

SECRETARY.

HAUGHTON, REV. S., M.D., D.C.L.

TREASURER.

HUTTON, T. MAXWELL, J.P.

COUNCIL.

BALL, R. S., L.L.D.
BROOKS, M., M.P.
LALOR, J. J., ESQ.
LYLE, J. ACHESON, D.L.
MACALISTER, A., M.D.
MACDONNELL, A., C.E.
MACDONNELL, ROBERT, M.D.
MACSWINEY, S. M., M.D.
PIM, J. TODHUNTER, ESQ.
REEVES, ROBERT, ESQ.
ROBERTS, S. USHER, ESQ.
SCOTT, F. M., J.P.
SHACKLETON, ABRAHAM, ESQ.
TRAILL, ANTHONY, F.T.C.D.
WILSON, MAJOR, R.E. C.B.

R. J. MONTGOMERY, ASSISTANT SECRETARY.

Laws and Regulations

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

Chapter I.—THE CONSTITUTION.

1. The Society consists of Ordinary Members, and Honorary Members.

2. The Officers shall be chosen from amongst the Ordinary Members, and shall be—

A President,
Five Vice-Presidents,
A Secretary, and
A Treasurer,

who, together with fifteen other Ordinary Members of the Society, shall constitute the Council.

3. The Officers and Council for each year shall be elected at the Annual General Meeting of the Members of the Society.

4. But in case any Officer, or other Member of the Council, shall die or resign, the Council may appoint a Member to supply his place until the next Annual Meeting.

Chapter II.—THE MEMBERS.

1. Every person wishing to become a Member of the Society must be proposed in writing to the Council by one Member of Council, and seconded by another; and upon election and payment of his admission fee, such person shall be a Member of the Society.

2. But he shall not exercise the privileges of a Member until his first year's Subscription is paid in advance.

3. The Admission Fee shall be *One Pound*, the Annual Subscription *One Pound*, and the Composition for life in lieu thereof, *Ten Pounds*.

4. The Annual Subscription shall be due on the first of January in each year, and shall be payable in advance.

5. If the Subscription of any Member is not paid within one year after it is due, he shall cease to be a Member until he shall have paid up his arrears.

6. No person becoming a Member after the first day of October in any year, shall be liable for the Subscription for that year.

7. No person shall exercise the privileges of a Member until he shall have paid his Subscription for the current year.

8. Ladies may be admitted as Members upon the same terms, and with the same privileges, as gentlemen.

9. Members of the Society, Wives of Members, and Children of Members, while resident with their parents, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and, in the case of children of Members under twelve years of age, the name of the person in charge of them being also signed.

Chapter III.—HONORARY MEMBERS.

1. Distinguished persons may be elected Honorary Members without annual or other payment, by a vote of the Society, at any of its Meetings, upon the previous recommendation of the Council.

2. Honorary Members shall have the same privileges as other Members, except that of voting at the Meetings.

3. The number of Honorary Members shall be limited to twenty.

Chapter IV.—THE OFFICERS.

The President.

1. The President shall preside at all Meetings of the Society and Council, when present, and shall generally superintend the affairs of the Society.

2. The same person shall not be President for more than five successive years.

3. Ex-Presidents shall continue to be Honorary Members of Council.

Vice-Presidents.

1. Of the five Vice-Presidents, two at least shall go out at each election, but this shall not prevent their continuing Members of Council in another capacity.

2. The Vice-Presidents shall supply the place of the President in his absence.

The Secretary.

It shall be the duty of the Secretary to see to the execution of the rules, orders, and directions of the Society and Council.

The Treasurer.

No money shall be paid by the Treasurer, except upon the written order of the Council, signed by at least three of its Members.

Chapter V.—THE COUNCIL.

1. Three Members shall form a Quorum.

2. The Council shall meet at such times as they themselves shall determine.

3. It shall be the duty of the Council to conduct the business of the Society, subject to the laws and regulations of the Society at large.

4. All questions shall be decided by the majority of voices; and where the numbers are equal, the Chairman shall have a casting voice; but he shall not vote except in such case.

5. The Council may summon a Meeting of the Society for scientific purposes whenever they think fit, stating the object of such Meeting; and at such Meeting no business but that stated in the notice shall be discussed.

6. At least three of the Council shall go out at each election.

7. No Member of the Society having any contract with the

Society or Council for which payment is to be made, shall be eligible to a seat in the Council in any capacity; and if the name of any Member of the Society having a contract with the Society, or receiving any fee or emolument from the Society, shall be found in the ballot, that name shall be set aside by the Chairman, notwithstanding any number of votes that may be appended to it; and if any Member or Officer of the Council enter into any contract with the Society, or receive from it any fee, payment, or emolument, his seat shall become, *ipso facto*, vacant in the Council, and the Council shall immediately summon a Meeting of the Society to elect a Member to the vacant place.

Chapter VI.—THE ANNUAL MEETING.

The Annual Meeting shall be held on the second Tuesday in January in each year, for the purpose of electing the Council and Officers for the ensuing year, and of hearing the Report of the Council read, and auditing the accounts.

Election of Officers.

1. The Council for the time being shall annually cause to be prepared a list of persons whom they recommend to be Officers and Council for the ensuing year.

2. The list shall distinguish the three or more Members proposed to be removed, and the three or more proposed to be elected in their room, and it shall be transmitted to each Member residing in Dublin, by post, along with the notice of the time and place of the General Meeting, to be sent at least seven days before the day of meeting.

3. The Chair shall be taken at four o'clock, when the ballot shall commence and continue open for one hour, at the expiration of which time the Chairman shall proclaim that the time had arrived when the ballot should close, and order the porter not to admit any other Members into the room, and then the Chairman shall call on the Members in the room who have not balloted to come forward and ballot, and the scrutiny shall forthwith take place; and those persons to whose names the

greater number of marks shall have been affixed, shall be declared duly elected, in the order and places in which they stand, provided at least three new Members be elected, but if not, then those of the proposed Members who have the least number of marks shall be rejected, until at least three former Members are excluded, and their places shall be filled by those who have the next greatest number of marks.

4. If two or more names have the same number of marks, the order of preference shall be decided by lot.

General Business.

1. No motion respecting a change in the laws or constitution of the Society shall be discussed or voted upon at the Annual or other Meeting, except as hereafter provided, unless notice thereof be given in writing to the Council, at least one month before such Meeting; the Council to give seven days' notice to the Members, as before ordered.

2. But the Council may propose, and bring to the vote, any measure or question, at any of the Meetings of the Society, provided it shall have been under their consideration for at least one month, and that notice thereof be given to the Members in the circular notice of such Meeting, at least seven days previous to the day of Meeting.

Chapter VII.—THE GARDENS.

1. Any person enrolling his name in a book kept at the gate of the gardens, and paying One Pound a year, shall be a Subscriber, and shall have the same privileges of ingress to the Gardens as a Member of the Society.

2. The Council shall have the power of suspending all rights of free entrance to the Gardens upon the day of a public fête, or similar occasion, when such shall be given for the benefit of the Society.

3. During frost, the Council shall have power to suspend all privileges of Members and Garden Subscribers, except that of personal admission.

4. The Council shall have power from time to time to vary, as may seem fit to them, the rates of admission to non-subscribers

ROYAL ZOOLOGICAL SOCIETY

OF IRELAND.

The Forty-sixth Annual Meeting of the Royal Zoological Society of Ireland was held in the College of Physicians, on Tuesday, 8th January, 1878.

Mr. J. W. MURLAND, President,

IN THE CHAIR.

REPORT OF COUNCIL.

During the year 1877 the number of visiters to the Gardens, and the receipts at the entrance gate, were as follows :—

1. Members	...	7,782			
2. Public Institutions	...	3,646			
3. Visiters on Tickets	...	1,930			
4. Visiters at One Shilling	...	12,823	...	£641	3 0
5. Visiters at Sixpence	...	5,353	...	133	16 6
6. Visiters at Threepence	...	1,565	...	19	11 3
7. Visiters at Twopence	...	56,282	...	469	0 4
8. Visiters at One Penny	...	13,035	...	54	6 3
9. Sale of Admission Tickets		—	...	49	7 6
Total Admissions		102,416		£1,367	4 10

During the preceding year (1876) the corresponding numbers and receipts were as follows :—

1. Members	...	6,470				
2. Public Institutions	...	3,554				
3. Visiters on Tickets	...	326				
4. Visiters at One Shilling	...	14,095	...	£704	15	0
5. Visiters at Sixpence	...	4,648	...	116	4	0
6. Visiters at Threepence	...	884	...	11	1	0
7. Visiters at Twopence	...	56,599	...	471	13	2
8. Visiters at One Penny	...	11,945	...	49	15	5
Total Admissions	...	98,491	...	£1,353	8	7

The total numbers of visiters and receipts at gate during the past ten years were as follows :—

Year	Visiters	Receipts		
1868	127,900	938	18	6
1869	136,052	1,046	8	4
1870	151,785	1,359	16	6
1871	167,692	1,352	0	5
1872	147,184	1,502	9	10
1873	147,762	1,450	4	3
1874	109,923	1,442	14	4
1875	104,945	1,500	4	8
1876	98,491	1,353	8	7
1877	102,416	1,367	4	10

During the corresponding years the total receipts from Entrance Fees and Subscriptions were as follows :—

Year.				Entrance Fees and Subscriptions.
1868	..	...	...	343
1869	...	...	...	369
1870	...	...	...	378
1871	...	...	...	435
1872	...	...	...	496
1873	...	...	...	404
1874	...	...	...	610
1875	...	...	...	429
1876	...	...	...	448
1877	...	...	...	595

The stock of Animals, exclusive of Reptiles and Fishes, in the Gardens during the past nine years was as follows :—

Year.	Mammals.	Birds.
1869	143	219
1870	182	222
1871	173	245
1872	174	220
1873	153	216
1874	152	240
1875	136	237
1876	116	220
1877	142	211

The sums expended in the purchase of Animals during the past ten years were as follows :—

Year.	£	s.	d.
1868	145	16	3
1869	294	19	3
1870	435	6	6
1871	351	13	8
1872	416	6	11
1873	143	0	0
1874	234	18	9
1875	107	6	4
1876	185	4	5
1877	180	4	6

The promenades of May, June, and July, were continued in 1877.

The numbers of members and visiters on the promenade days of each year were as follows :—

Year.	Members.	Visiters.	Total	Receipts
1869	902	2,946	3,848	£73 13 10
1870	986	3,633	4,619	88 3 6
1871	2,030	4,193	6,223	104 16 6
1872	1,488	2,710	4,198	135 10 0
1873	1,738	2,075	3,813	99 5 0
1874	1,814	1,741	3,555	86 2 6
1875	1,390	1,572	2,962	78 12 0
1876	1,729	2,050	3,779	92 0 6
1877	1,892	1,562	3,454	74 13 6

The receipts from Sunday admissions, during the past ten years, have been—

Year.				£	s.	d.
1868	...	...	...	417	5	6
1869	...	...	...	431	15	4
1870	...	...	...	472	6	6
1871	...	...	...	515	1	5
1872	...	...	...	471	14	7
1873	...	...	..	477	1	3
1874	...	...	...	497	8	4
1875	...	...	...	561	10	11
1876	...	...	...	521	8	7
1877	...	...	...	523	6	7

Miss Nesbitt has completed, at a cost of upwards of £350, and handed over to the charge of your Council, the handsome Aviary promised by her in our last Report.

Your Council recommend the Society to pass a vote of marked thanks to Miss Nesbitt for her munificent liberality, which has provided for the public of Dublin a handsome Aviary for the exhibition of the smaller tropical and sub-tropical birds.

The Council have taken steps to have the hot water apparatus and other necessary fittings supplied at once, in order to take advantage of the "Nesbitt Aviary" before the close of the present winter.

During the course of the past year, it became necessary for your Council to consider what should be done, finally, with the unique and valuable fossil—the *Plesiosaurus Cramptoni*—presented to

the Society in 1853 by the late Sir PHILIP CRAMPTON, who may be regarded as the founder of the Society.

This remarkable fossil was exhibited in the Zoological Gardens for eight years up to 1861, when the Council, believing that they would better carry out Sir PHILIP CRAMPTON'S wishes by exhibiting the *Plesiosaurus* in immediate conjunction with other similar fossils, deposited it in trust in the Museum of the Royal Dublin Society, where, for a period of sixteen years, it has proved more useful for the advancement of Natural Science in Dublin than it would have been if its exhibition had been continued in the Zoological Gardens in association with a collection of living animals.

The proposal of the Government, during the course of last year, to convert the Museum of the Royal Dublin Society into the National Museum of Ireland, to be supported altogether out of public funds, rendered it necessary for your Council to decide what should be done with the *Plesiosaurus Cramptoni*, the ownership in which your Council had never relinquished.

For the reasons already assigned as having influenced your Council in 1861, it would have been undesirable to renew the exhibition of this valuable fossil in the Zoological Gardens.

Your Council further felt that the New National Museum had no claim on their generosity, such as

they recognised in a sister royal and partly private society, when they deposited the *Plesiosaurus*, in trust, in the Museum of the Royal Dublin Society. The Managers of the New National Museum concurred in the feeling of your Council, and offered to give £200 purchase-money for the *Plesiosaurus*, in order that it might continue to be exhibited in the same place as heretofore.

Your Council accepted this offer, and believe that in so doing they carry out, in the best manner, the double intention of Sir PHILIP CRAMPTON, which was to advance the study of Natural Science in Dublin, and to confer a benefit on the Zoological Gardens, of which he was the distinguished founder.

BALANCE SHEET, 31st DECEMBER, 1877.

			£	s.	d.
Admission to Gardens—					
Members	7,782				
Public Institutions ..	3,646				
Visiters' Tickets ..	1,930				
Do. at 1*s.*	12,823	£641	3	0	
Do. at 6*d.*	5,353	133	16	6	
Schools .. at 3*d.*	1,565	19	11	3	
Visiters .. at 2*d.*	56,282	469	0	4	
Do. .. at 1*d.*	13,035	54	6	3	
Total Admission ..	102,416	£1,317	17	4	
Book of Admission Tickets		49	7	6	
					1,367 4 10
Government Grant					500 0 0
Members' Subscriptions—					
Members		£351	0	0	
Garden		61	0	0	
Life		140	0	0	
Entrance Fees ..		43	0	0	
					595 0 0
Donations					19 2 0
Animals Sold					15 3 8
Incidentals					9 16 0
Donation from Miss Nesbitt for Aviary ..					352 1 0
Balance due Bank per Bank Book		£244	0	1	
Cheque No. 35,315 not yet gone in		2	15	6	
					246 15 7
					£3,105 3 1

	£	s.	d.
Due to Bank from last Account	188	19	4
Purchase of Fish for Aquarium	7	7	9
,, Animals	180	4	6
Provisions for ,, ...	1,110	2	9
Incidentals, including Printing, Advertisements, Men's Clothing, &c.	215	8	7
Coal and Coke	68	2	6
Salaries and Wages	748	14	3
Buildings and Plantations	120	18	9
Water Rent per Meter	51	6	8
Two Instalments of Debt to Corporation for Laying Pipes	20	0	0
Cost of Promenades	40	16	0
Fire Insurance	1	1	0
Cash paid John Cunningham for Nesbitt Aviary	300	0	0
Cash in hands for completion of Nesbitt Aviary	52	1	0
	£3,105	3	1

I have examined the above Accounts, compared the several items, and find the balance against the Society, on the 31st December, 1877, to be £246 15*s.* 7*d.*

JOHN J. LALOR.

APPENDIX II.

RETURN OF ANIMALS PRESENTED

TO THE

Royal Zoological Society of Ireland

DURING THE YEAR 1877.

1877.	ANIMALS, ETC.	BY WHOM PRESENTED.
Jan. 3rd	1 Merlin,	From Master Samuel Roberts, 3, Winton road
,, ,,	2 Swans,	Alex. M'Donnell, Esq., C.E., St. John's, Island-bridge
,, 8th	4 Gallinules,	Master L. Butler, 3, James-place, Blackrock
,, 25th	1 Crested ground Parrakeet,	Mrs. Harriette Burgess, Custom-house
,, 31st	1 Patagonian Fox,	L. D. Moutray, M.R.C.V.S., Airmount-house, Golden-bridge
Feb. 6th	1 White Pea-fowl,	Mr. Edward O'Keeffe, 3, Mill-street
,, ,,	1 Crested ground Parrakeet,	
,, ,,	1 Roseate Cockatoo,	
,, 25th	1 Manx Cat,	— Clarke, Esq., Assistant Paymaster, H.M.S. "Iron Duke"
Mar. 3rd	1 Land Tortoise,	W. D. Thompson, M.D., Dervock, co. Antrim
,, ,,	1 Rhesus Monkey,	Alex. F. M'Math, Esq., Thornford, Castleblayney
,, 12th	1 Macaque Monkey,	Mrs. E. R. Bayley, Ballanagh, Ovoca, co. Wicklow
,, 22nd	1 Citron-crested Cockatoo,	Miss Webb, Kilmalogue House, Portarlington
,, 26th	2 Gallinules,	Master Geo. Lawless, 139 James's-st.
,, 28th	1 Persian Cat,	Capt. J. D'Arcy Irvine, R.N.

1877.	ANIMALS, ETC.	BY WHOM PRESENTED.
Ap. 3rd	1 Mongoos,	Alex. M. Gamble, Esq., Willoughby-place, Enniskillen
.. ,,	Pair Magpie Pigeons,	Miss Maud A. Carter, Phœnix Park
.. 10th	Pair Kittiwake Gulls,	Thos. M'Combie, Esq., S.S. "Alexandra"
,, 16th	1 Black-backed Gull,	Lieut. Battersby, R.A., Cromlyn-house, Westmeath
,, 19th	2 Guinea Pigs,	Mrs. J. J. Lalor, Lisalea, Blackrock
.. 23rd	1 Heron,	Ed. Carr, Esq., Brownstown, Kilkenny
,, 26th	1 Thibetan Mastiff,	Major Haughton, R.A.
,, 27th	1 Badger,	Capt. Chippindall Healey, Governor, Clare county Prison
May 3rd	1 Coati-mundi,	Hon. Capt. A. Moreton, Eastwood, Bagnalstown
.. 14th	1 Racoon,	Mrs. M'Cann, 2, Burgh-quay
.. 19th	2 Fox Cubs,	W. P. Garnett, Esq., Green-park, Fox-rock
.. 22nd	1 Grivet Monkey,	His Grace the Duke of Marlborough, K.G.
,, 24th	A quantity of Gold Fish,	D. W. Johnston, Esq., Jennymount Mills, Belfast
,, 31st	2 Herons.	W. Corbett, Esq., Greenhall, Rathcormack
June 2nd	2 Puffins.	T. M'Combie, Esq., S.S. "Alexandra"
.. 5th	1 Burrowing Owl,	Dr. S. Warren
.. 9th	2 Wild Ducks,	J. Kenny, Esq., Rathingar, co. Carlow
.. 12th	1 Pine Marten,	Earl of Rosse, Birr Castle
,, 15th	4 Hen Harriers,	H. Pattison, Esq., Druid-lodge, Loughlinstown
,, 16th	2 Quail,	W. M'Dermott, Esq., 64, Gt. Britain-street
,, 19th	1 Peregrine Falcon,	W. Corbet, Esq., Greenhall, co. Cork
,, 20th	1 Silver-spangled Cock,	R. P. Williams, Esq., Glaslynn, Clontarf
,, 27th	9 Persian Cats,	Mrs. Stewart, Stewart's-lodge, co. Carlow
.. 30th	1 Fox.	W. M'Kinley, Esq., Strabane
.. ,,	3 White-banded Squirrels,	Dr. R. W. Minchin, 56, Lr. Dominick-street
July 2nd	3 Touracous, 4 Weaver Birds, 1 Red-headed Cardinal, 1 Zebra Parrakeet, 6 Tortoises, and 2 Turtle Doves,	Mr. Edward O'Keeffe, 3, Mill-street

1877.	ANIMALS, ETC.	BY WHOM PRESENTED.
July 3rd	1 Mute Swan	Geo. Kinahan, Esq., Roebuck-park, Dundrum
,, 5th	1 Viverrine Cat, 1 Indian Antelope, and 1 Hog-Deer,	His Royal Highness the Prince of Wales
,, 6th	1 Horned Lizard,	D. Thomas, Esq., Bayview-avenue
,, 11th	1 Egret Monkey,	H. O'Neill, Esq., 171, North Strand-road
,, 17th	1 Peregrine and 1 Kestrel,	W. Corbet, Esq., Greenhall, co. Cork
,, 19th	A pair Russian Rabbits,	Miss Williams, 8, Creighton-street
,, 20th	1 Black-shouldered Peacock,	Hon. A. S. G. Canning, the Lodge, Rostrevor
,, 21st	3 Sparrow-Hawks,	R. Warren, Esq., Moyview, Ballina
,, 23rd	1 Fox,	Mr. Thomas Mullen, 45, Talbot-street
,, 26th	1 Golden Agouti,	Dr. Patterson, Bridge of Allen, Scotland
,, ,,	2 Peregrine Falcons,	C. S. Sutton, Esq., James's Gate Brewery
Aug. 13th	3 Bantams,	Miss Cunningham, Dalkey
,, ,,	4 Kingfishers,	Master C. M. Crofton, 67, Leinster-road
,, ,,	1 Golden Plover and 1 Lesser black-backed Gull,	From Mr. Charles Keating 59, Lower Dominick-street
,, ,,	1 Persian Cat,	Mrs. Chermside, 7, Wellington-place
,, 20th	2 Herring-Gulls,	Miss M. A. Carter, Phœnix Park
,, 22nd	1 Golden Plover,	Robert D. Grant, Esq., London
Sep. 3rd	1 Gannet,	J. Chute Nelligan, Q.C., the Spa, Tralee
,, 4th	1 Merlin,	Master A. Williams, 2, Dame-street
,, 11th	1 Badger,	Geo. St. George Tyner, M.D., Resident Medical Superintendent, Lunatic Asylum, Downpatrick
,, 28th	1 Sparrow-Hawk,	Master Ernest Carter, Phœnix Park
,, 29th	1 Merlin,	H. M. Barton, Esq., 4, Foster-place
Oct. 10th	4 Gannets,	Capt. Boxer, R.N., Netley, Blackrock
,, 13th	1 Gannet,	W. J. Corbet, Esq., Spring Farm, Delgany
,, 18th	1 Red Kangaroo,	N. W. H. Fitzgerald, Esq., 33, Queen-street, Melbourne
,, 20th	1 Red Squirrel,	—— Sharp, Esq., 83, Strand-road, Sandymount
,, 24th	1 Raven, 1 Peacock, and Bantams	W. Corbet, Esq., Greenhall, co. Cork
,, 25th	2 Egyptian Kites	Capt. Cole Hamilton, R.M., Birr
,, 26th	3 Green Monkeys,	Mr. Edward O'Keeffe, 3, Mill-street

1877.	ANIMALS, ETC.	BY WHOM PRESENTED.
Oct. 26th	1 Green Monkey,	Master L. Carter, Phœnix Park
,, ,,	1 Alligator and 1 Quail (Indian),	Dr. S. Warren
,, 30th	2 Peregrine Falcons,	John Rigby, Esq., 24, Suffolk-street
Nov. 1st	2 Badgers,	Col. Fetherstone H., J.P., Derrahiney, Ballinasloe
,, ,,	1 Thibetan Mastiff	R. A. Smythe, Esq., Lauragh, Portarlington
,, 2nd	1 Magpie (Var.)	Henry Fitzgibbon, Esq., M.D., 18, Lower Fitzwilliam-street
,, 5th	4 Persian Cats	Mrs. Stewart, Stewart's-lodge, co. Carlow
,, 17th	1 Wanderoo Monkey	Mrs. E. Costley Daly, Fortfield-park, Terenure

ANIMALS BORN IN THE GARDENS.

1877,	26th March	2 Ocelots.
,,	29th ,,	1 Guanaco
,,	5th May	3 Cereopsis Goslings
,,	5th June	3 Wolves
,,	7th July	1 Red Deer
,,	5th Nov.	1 Ocelot

List of Members

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

HONORARY MEMBERS.

Bell, Professor, F.R.S., Selborne
Carus, M. Victor, Museum, Leipsic
Gould, John, F.R.S., 26, Charlotte-st., Bedford-square, London
Jenyns, the Rev. L., F.R.S.
Jones, Professor Rymer, F.R.S., King's College, London
Just, Wm., Pacific Steam Navigation Co., Liverpool
Lea, Isaac, LL.D., Philadelphia
Leach, Colonel, R.E., Highgate, London
Mayo, Rt. Hon. The Earl of, Palmerstown house, Naas
Montgomery, General G. S., H.M. Indian Army, C.S.I., Fort Royal, Rathmullan
Owen, Professor, F.R.S., British Museum, London
Rupell, M. M., Frankfort
Sclater, P. Lutley, Ph.D., F.R.S., Secretary, London Zoological Society
Trevelyan, Sir Charles, K.C.B., Indian Service

CORRESPONDING MEMBERS.

James Armstrong, M.B., 8, Leeson-Park
William Armstrong, Surgeon-Major, Curragh Camp
Colonel Collingwood, 21st Fusiliers
John P. Denton, Jun., West Hartlepool
George S. Dobson, Assistant Staff Surgeon, India, Royal Victoria Hospital, Netley, Southampton
Dr. Doyle, Assistant Surgeon, "Serapis"
Col. Dwyer, 1st Battalion 14th Regiment
Hon. H. Fitzgerald, Trinidad
J. B. Hamilton, Esq., M.D., Royal Artillery, Surgeon Major
His Excellency J. Pope Hennessy
E. C. Markey, Esq., M.D., 25th Regt., Surgeon Major, Portsmouth
James McCreery, Surgeon Major
F. A. Montgomery Moore, late 1st West India Regt.
C. B. Mosse, Staff Surgeon, Surgeon Major
J. M. Price, Surveyor-General, Hong-Kong
Captain Seymour, Chief Commissioner of Police, Queensland
E. Guy Selby Smythe, Sunbury-on-Thames
Rev. John MacG. Ward, Chaplain, R.N., H.M.S., "Iron Duke," Kingstown
Dr. Samuel Warren, 55, Park Avenue, Sandymount
N. W. Fitzgerald, 33, Queen-street, Melbourne

LIFE AND ANNUAL MEMBERS.

✠ *Indicates Life Members.*

✠ The Right Hon. the Earl Spencer, Althorpe
✠ His Grace the Duke of Abercorn
✠ The Right Hon. the Earl of Kimberley
✠ His Grace the Duke of Marlborough
5 Adair, S. F., 24, Fitzwilliam-square, south

Adams, Thomas V., 12, Burgh-quay
Alexander, Alfred J., Richmond-villa, Monkstown
Alexander, William, 10, Belgrave-square, Monkstown
Allen, Alexander, Woodville, Sandford
10 * Allen, Henry J., Fern Dene, Stradbrook, Blackrock
Allen, Captain, Governor's House, Arbour Hill
* Allen, Richard Purdy, Chelmsford House, Angell-road, Brixton, London, S.W.
Allen, Richard, 28, Lower Sackville-street
* Annally, Lord, Woodlands, Clonsilla
15 Andrews, Arthur, Newtown House, Blackrock
Andrews, Henry, Hastings, Blackrock
* Archer, William, F.R.S., St. Brendan's, Grosvenor-road, Rathmines
* Arthur, Lieutenant-Colonel
Athill, Lombe, M.D., F.R.C.S., Rotundo Hospital, Rutland-square
20 * Atkinson, John, Ely-place
Aungier, Robert, 66, Eccles-street
Babington, William, D.A., 25, Upper Fitzwilliam-street
Bagnall, J. J., University Club
Bagot, John, 28, William-street.
25 Baily, John, C.E., 3 Blackhall-place
* Ball, J. B., 12, Merrion-square, east
* Ball, Robert Stawell, LL.D., Observatory, Dunsink
* Bangor, Right Hon. Lord, Castle Ward, Downpatrick
* Banks, John T., M.D., 11, Merrion-square, east
30 * Barker, H. O., LL.D., 6, Gardiner's-row
* Barker, Richard Oliver, 6, Gardiner's-row
* Barker, William Oliver, M.D., 6, Gardiner's-row
* Barker, John, M.D., 83, Waterloo-road
Barrington, Edward, Great Britain-street
35 Barrington, Sir Croker, Bart, 60, Fitzwilliam-sq., north
Barrington, Sir John, Great Britain-street
Barrington, William L., Glasnevin-lodge
Barry, John E., 12, Mountjoy-square, north

Barry, Right Hon. Mr. Justice, Fitzwilliam-square
40 Barton, Freeman, 38, Upper Fitzwilliam-street
Barton, Henry M., 4, Foster-place
Barton, John K., M.D., 24, Lower Fitzwilliam-street
Baxter, Dr., 66, Lower Baggot-street
✠ Beach, Sir M. E. Hicks, M.P., Chief Secretary's Lodge, Phœnix Park
45 Belas, George Henry, 18, Leinster-road
Bennett, Edward H., M.D., 26, Lower Fitzwilliam-street
Bentham, William, 66, Upper Sackville-street
✠ Bewley, Samuel, Jun., 6, Dame-street
✠ Bewley, Samuel Tertius, 6, Dame-street
50 ✠ Black, William Fleming, 27, Eccles-street
Blake, John A., 6, Ely-place
✠ Blood, Bagot, 38, Wellington-road
✠ Blood, J. L. H., Longford-terrace, Monkstown
Blood, Frederick, Mountjoy Brewery
55 ✠ Bolton, S. H., Grove House, Rathmines-road
✠ Bookey, Mrs. William, Beauchamp, Bray
✠ Bomford, George, Oakley Park, Kells
Bourke, Hon. C. F., Dublin Castle
Boyd, R. Macrory, Walworth, Grand Canal
60 Boyd, Samuel, Shanganagh Park, Loughlinstown
Boyle, Richard W., College-green
Brady, Thomas F., 11, Percy-place
✠ Brady, Maziere, J., 2, Wilton-place
Brady, James, M.D., 38, Harcourt-street
65 Brennan, Charles, Watling-street
Brennen, Henry, 8, Gardiner's-place
✠ Bridgeford, W. B., 148, Sackville-street
Brinkley, Captain, Knockmaroon House, Castleknock
✠ Brooke, Sir Victor, Bart., Colebrook, Brookboro'
70 Brooke, Thomas H. C, 7 Victoria-terrace, North Circular-road
✠ Brooke, William, Taney-hill, Dundrum
✠ Brookes, Maurice, M.P., 9, Lower Fitzwilliam-street

* Browne, R. C., Viewmount, Carlow
* Browne, Hugh, Oakland, Rathgar
75 Browne, Robert, M.D., 64, Rathmines-road
Browning, Jeffery, 9, Suffolk-street
Brunker, James Edward, Rostellan, Temple-road, Rathmines
Burke, Edward F., 20, Merrion-square, north
* Burke, T. H., Under-Secretary, Dublin Castle
80 Burke, William, M.D., 22, Rutland-square
Burke, William, 1, Clanwilliam-place
* Burke, Sir Bernard (Ulster), Dublin Castle
* Burton, Decimus, F.R.S., 37, Gloucester Gardens, Bayswater, London
Burns, Gilbert, Mary-street and Knockmaroon Lodge, Chapelizod
85 Busby, Alphonso, 4, Burlington-road
Bussell, Henry, St. Leonard's, Avoca-avenue, Blackrock
Butler, E., Hollywood, Dundrum
* Butler, Lord James, Drumcondra Castle
Callwell, Nathaniel, 39, Fitzwilliam-place
90 Campbell, Alderman, Mountjoy-square
Cannon, Edward, Kenilworth-square, Rathgar
Carleton, James Crichton, 62, Northumberland-road
* Carlingford, Right Hon. Lord, Carlton Gardens, London
Carolin, Robinson, 14, Abbey-street, lower
95 Carroll, Coote Alex., Boston Spa, Tadcaster, Yorkshire
* Carson, Rev. Joseph, D.D., F.T.C.D., Trinity College
Carte, Alexander, M.D., Royal Dublin Society
* Carte, William, M.D., J.P., Royal Hospital
* Carte, William Alex., Military-road
100 Cassidy, John V., 50, Upper Mount-street
* Cavendish, Lord Edward, Devonshire house, Piccadilly, London
Chambre, John, 45, Mountjoy-square
* Charlemont, Right Hon. the Earl of, Roxborough, Moy
Chatterton, Right Hon. the Vice-Chancellor, Newpark, Newtown Park-avenue, Blackrock

105 ✠ Close, H. W., Bank, Henry-street
✠ Close, S. H., Bank, Henry-street
Close, Rev. M. H., 40, Lower Baggot-street
Colles, G. C., 8, Kildare-street
Colles, William, M.D., 21, St. Stephen's-green
110 Collins, Thomas, M.D., 48, William-street
Colville, James C., Bachelor's-walk
✠ Connor, John, Anatomical Museum, Trinity College
Copland, Charles, Royal Bank
Copland, J. W., Northumberland-road
115 Corbet, Daniel, 12, Clare-street
Corcoran, James P., Kingstown, Rochestown-avenue
Corley, A. H., M.D., 30, Baggot-street
✠ Cornwall, Gustavus, 17, Harcourt-street
✠ Cornwall, Robert, 36, Rutland-square
120 ✠ Corrigan, Sir Dominic, Bart., 4, Merrion-square, west
✠ Corrigan, William J., 25, Upper Fitzwilliam-street
Cosgrave, W. A., 70, Eccles-street
Cotton, Charles P., C.E., 11, Lower Pembroke-street
✠ Cowper, Henry A., 29, Fitzwilliam-place
125 Crampton, Sir John, Bart., Bushy Park, Enniskerry
✠ Creed, James, M.D., Assistant-Surgeon, 2nd Battalion 20th Regiment, 176, Rathgar-road
Cruise, Francis R., M.D., 3, Merrion-square, west
Cryan, Robert, M.D., 54, Rutland-square
✠ Cusack, Sir Ralph S., J.P., 24, Rutland-square, north
130 D'Arcy, Matthew P., 6, Merrion-square, east
Davys, Ed. J., 22, Eccles-street
Dawson, Charles, St. Michael's, Dalkey
Doherty, W. Izod, M.D., 21, Westland-row
D'Olier, Edmund, 38, Fitzwilliam-place
135 ✠ Dowse, Richard, Right Hon. Baron, 38, Mountjoy-sq.
Drumm, Thomas, 4, Sackville-place
Drury, John G., Dartry, Upper Rathmines
DuBedat, Francis F., 2, Foster-place
DuBedat, John, 45, Pembroke-road
140 DuBedat, W. G., Ailesbury-road, Merrion

Dudgeon, H. James, 113, Grafton-street
Duffey, G. F., M.D., 30, Fitzwilliam-place
Dufferin, His Excellency the Earl of, Clandeboye, County Down
* Dunally, Dowager Lady, 6, Belgrave-square, south, Monkstown
145 * Dunnill, Benjamin, 1, Clifton-place, Monkstown
Dwyer, Henry, Chesterfield, Blackrock
Eames, Robert, 7, Prince of Wales'-terrace, Bray
Edmundson, Joshua W., Capel-street
Edmundson, John W., Capel-street
150 * Ellis, George, M.D., 91, Leeson-street
Elrington, J.F., LL.D., 24, Fitzwilliam-street, upper
Enniskillen, Right Hon. Earl of, Florence-court
* Evatt, Robert B., D.L., Mount Louise, Monaghan
Fannin, Thomas, 3, Northbrook-road, Leeson-park
155 * Farrell, E. Walter, 3, Merrion-square, east
* Farrell, James, 3, Merrion-square, east
* Farrell, Mrs., 3, Merrion-square, east
* Faulkiner, Bolton W., late Captain 95th Regt., Pau, South of France
Fennell, Joshua G., 7, Longford-place, Monsktown
160 Ferguson, Andrew, 23, Wellington-road
Ferguson, J. H., 105, Grafton-street
Fetherston, H. S. Radcliffe, 17, Eccles-street
* Findlater, Adam S., The Slopes, Kingstown
* Findlater, John, Melbeach, Monkstown, co. Dublin
165 * Findlater, William, 22, Fitzwilliam-square
Fitzgerald, Right Hon. Mr. Justice, 7, Merrion-square, east
* Fitzgerald, Thomas, 22, Fitzwilliam-place
* Fitzgibbon, Gerald, Q.C., 10, Merrion-square, north
Fitzsimon, Francis, 15, Bridgefoot-street
170 Flanagan, Right Hon. Stephen Woulfe, Judge, Landed Estates Court, 20, Fitzwilliam-place
Foot, Arthur Wynne, M.D., 49, Leeson-street

✠ Forrest, J. K., M.D., 13, Clare-street
Forrest, James, Grafton-street
Forster, John, St. Mary's, Temple-road, Rathmines
175 Fottrell, Edward, J.P., 46, Fleet-street
Fottrell, George, jun., 8, Great George's-street, north
Gage, Thomas Baillie, 38, Northumberland-road
Galbraith, Rev. Joseph A., F.T.C., Trinity College
✠ Garstin, J. Ribton, Greenhill, Killiney
180 Gerrard, Thomas, 11, Oakland Villas, Rathgar
Gibson, Edward, M.P., 23, Fitzwilliam-square
Gill, Henry Joseph, Eccles-street
Goodbody, Jonathan, jun., 43, Dame-street
Goodbody, Robert, 43, Raglan-road
185 Gordon, Samuel, M.B., 13, Hume-street
✠ Granard, Right Hon. Earl of, Castle Forbes, county Longford
Grattan, Dr. Richard, Drummin House, Carbury, Enfield, co. Kildare
Grace, Major Percy Raymond, 8, Merrion-square, north
Gray, Rev. Thomas T., F.T.C.D., 11, Upper Temple-st.
190 Gray, E. Dwyer, M.P., Prince's-street
✠ Green, John M., Fernbank, Dundrum
Green, William, 30, Upper Sackville-street
Greene, Thomas, 49, Stephen's-green
✠ Greer, Thomas, J.P.. Bushy Park, Terenure
195 ✠ Greer, A. J., 17th Lancers
✠ Gregory, Right Hon. W. H., Governor of Ceylon, Coole Park, Gort
Griffin, John, 5, Foster-place, and 29, Leinster-road, Rathmines
Griffith, Sir Richard, Bart., 2, Fitzwilliam-place
✠ Guinness, Sir A. E., Bart., M.P., St. Anne's, Clontarf
200 ✠ Guinness, The Lady Olive, St. Anne's, Clontarf
✠ Guinness, Edward Cecil, St. Stephen's-green
Hackett, Major W. W., 36, Leeson-park
Hamerton, J. Tayler, 5, Ailesbury-road, Merrion

Hamilton, J. T., M.D., Brighton-terrace, Monkstown
205 Hamilton, C. W., Hamwood House, Dunboyne
Hamilton, Edward, M.D., 120, St. Stephen's-green
✠ Hamilton, Ion Trant, M.P., Abbotstown
✠ Hamilton, Miss Sydney, 5, Victoria-terrace, Clontarf
Hanson, Henry C., C.E., 42, Rutland-square
210 ✠ Harmon, Mrs., Inchicore
Harris, A. W., Alderman, 12, Wellington-road
✠ Hartington, Most Hon. the Marquess of, 78, Piccadilly, London
Harvey, Reuben, M.B., 7, Upper Merrion-street
✠ Haughton, Rev. Samuel, M.D., F.R.S., 31, Upper Baggot-street
215 Hayden, Thomas, M.D , 18, Merrion-square, north
Hayes, Major, Greenwood, Blackrock, and 12, Ely-place
Head, Henry, M.D., 7, Fitzwilliam-square
✠ Henry, Mitchell, M.P., Kylemore, Galway
✠ Henry F. H., Park-lodge, Straffan, co. Kildare
220 ✠ Henshaw, Alfred, Hatherton, Rathmines
Heron, Denis Caulfield, Q.C., 7, Upper Fitzwilliam-st.
Hime, Maurice, C.E., Diocesan School, Monaghan
Hodges, John, 16, Westmoreland-street
✠ Hodson, R. A., Hollybrook, Bray
225 Hogg, Jonathan, Craigemore, Blackrock
Hogg, P. Thomas, 12, Cope-street
Hone, Brindley, Vevay House, Ballybrack
✠ Hone, Nathaniel, St. Doulough's Park
Houston, Arthur, LL.D., 50, Fitzwilliam-square, west
230 ✠ Hudson, Alfred, M.D., 2, Merrion-square, north
Hudson, Edward, 55, Pembroke-road
Hughes, James S., M.D., 1, Merrion-square, west
Hull, Edward, M.A., Director of the Geological Survey, Ireland, 5, Raglan-road
✠ Hutton, Thomas Maxwell, J.P., 118, Summerhill
235 ✠ Hutton, Mrs. Thomas Maxwell, 118, Summerhill
✠ Hutton, Lucius O., 8, Fitzwilliam-place

✠ Hyland, James K., 13, Rutland-square, east
Ilbery, George E., St. John's, Island-bridge
Irvine, Hans, M.B., Sackville-street Club
240 Jackson, Surgeon-Major R. W., C.B., Royal Infirmary, Phœnix Park
✠ Jacob, Archibald H., M.D., 23, Ely-place
Jameson, Henry, Hermitage, Roebuck
✠ Jameson, James, Airfield, Donnybrook
✠ Jameson, John, St. Marnock's, Malahide
245 ✠ Jameson, William, Montrose, Donnybrook
Jellett, Hewett Poole, Q.C., Upper Pembroke-street
Jellett, Rev. J. H., F.T.C.D., 64, Lower Leeson-street
John, George Andrews, 6, Foster-place
Johnston, John B., 8, Clyde-road
250 ✠ Johnston, Maziere, 2, Knapton-road, Kingstown
Johnston, George, M.D., 15, St. Stephen's-green, south
✠ Jones, John, 6, Dawson-street
Jones, Thomas Alfred, 9, Upper Mount-street
Jury, H., 7, College-green
255 Kane, John, Leeson-park House
✠ Kane, Sir Robert, F.R.S., 21, Raglan-road
✠ Kavanagh, Arthur, M.P., Borris House, Carlow
Kelly, Thomas L., Lower Gardiner-street
Kelly, Charles, Q.C., 34, Fitzwilliam-square
260 ✠ Kelly, Richard W., Cope-street
Kelly, Thomas A., 5, Vesey-place, Kingstown
Kelly, John C., J.P., 37, Fitzwilliam-square, west
✠ Kennedy, Evory, M.D., Belgard, Clondalkin
Kennedy, Henry, M.D., Rutland-square
265 ✠ Kenny, Matthias, 3, Clifton-terrace, Monkstown
Kidd, George H., M.D., 30, Merrion-square, south
✠ Kildare, The Most Noble the Marquess of, Carton, Maynooth
Kinahan, George, Roebuck-park, Dundrum
Kinahan, Edward H., 11, Merrion-square, north

270 Kinahan, Thomas W., 5, St. John's-terrace, North Circular-road
* King, Charles Croker, M.D., 34, Upper Fitzwilliam-st.
Kirkpatrick, J. Rutherford, M.B., 4, Upper Merrion-st.
Knox, Charles, Creagh, Ballinrobe
* Lacy, Miss Frances, Inchicore Lodge
275 * Lalor, John J., 125, Stephen's-green
* Lalor, Mrs., 125, Stephen's-green
Lane, Hugh, J.P., 13, Mountjoy-square
* Larcom, Major-General Sir Thomas, K.C.B., Heathfield, Farnham, Hants
* Latouche, J. W., 27, Bloomfield-avenue
280 Latouche, William Digges, 34, Stephen's-green, north
Lawson, Right Hon. Mr. Justice, 27, Upper Fitzwilliam-street
Lee, Robert C., 12, Upper Merrion-street
Le Fanu, William R., Summerhill, Enniskerry
* Leinster, His Grace the Duke of, Carton, Maynooth
285 Lentaigne, John, D.L., C.B., 1, Great Denmark-street
* Lentaigne, Joseph Nugent, 1, Great Denmark-street
Lewis, George Wilson, 73, Lower Gardiner-street
Little, James, M.D., 24, Lower Baggot-street
Little, T. E., M.D., 42, Great Brunswick-street
290 Littledale, William F., 9, Ormond-quay
Lloyd, Rev. Humphrey, D.D., Provost of Trinity College
Lombard, James FitzGerald, J.P., South-hill, Rathmines
Lowe, Francis, 35, College-green
* Lurgan, Right Hon. Lord, Brownlow House, Lurgan
295 Lyle, James Acheson, 13, Pembroke-road
Lynch, Nicholas, 20, Wicklow-street
* Lyons, Robert D., M.B., 8, Merrion-square, west
* Lyttle, Rev. Thomas, 54, Tritonville-road, Sandymount
M'Cay, William, F.T.C., Trinity College
300 M'Cann, James, Simmonscourt, Donnybrook
* Macrory, A. J., Duncairn, Belfast

Macalister, Alexander, M.D., 15, Palmerston-road
* Macartney, J. W. Ellison, M.P., The Palace, Clogher, county Tyrone
Macan, Arthur V., M.B., 19, Lower Mount-street, and 29, Lower Baggot-street
305 * M'Crea, Edward D., 50, William-street
M'Curdy, John, 10, Leinster-street
M'Cullagh, Andrew, 25, Mountjoy-square, and New Court, Bray
* MacDonnell, Alexander, C.E., St. John's, Island-bridge
MacDonnell, John, M.D., Upper Fitzwilliam-street
310 * MacDonnell, James, 32, Upper Fitzwilliam-street
* MacDonnell, Robert, M.D., F.R.S., 14, Lower Pembroke-street
MacDonnell, Luke, 4, Merrion-square, east
* McComas, Archibald, Cliff Castle, Dalkey
M'Dermott, Alfred, 43, Fitzwilliam-square
315 * M'Dowell, Benjamin George, M.D., 5, Merrion-square, south
McDowell, B. F., Esq., 29, York-street
Mackay, James Vokes, J.P., 19, Merrion-square, south
Macken, James, jun., 2, St. James's-terrace, Clonskeagh
M'Kee, Rev. T. A., 79, Stephen's-green
320 M'Kerlie, Colonel, Custom House
MacSwiney, Stephen M., M.D., 1, Hume-street
* Madden, Thomas Walter, Surgeon, 18, Westland-row
Mahony, Richard, D.L., Dromon Castle, Kenmare
Malone, Laurence, 7, Ely-place
325 * Malone, Mrs. O'Connor, Bowenstown, Mullingar
Manly, Joseph, 43, Pembroke-road
Manders, Richard, Brackenstown House, Swords
* Mapother, E. D., M.D., 6, Merrion-square, north
Martin, Charles, 12, Fitzwilliam-place
330 Martin, James, 26, Fitzwilliam-square
* Martin, Richard, 7, Merrion-square, south

Martin, Thomas, North-wall
Mason, Thomas P., M.D., 92, Harcourt-street
Mathews, Jehu, 32, Lower Ormond-quay
335 May, Right Hon. Lord Chief Justice, 13, Fitzwilliam-square
Megaw, W., 1, Crampton-quay, and 9, Mountjoy-place
Meldon, Charles H., M.P., Newtown House, Blackrock and 25, Rutland-square
Millar, J. M., Monkstown
Millner, J. K., Cherbury, Blackrock
340 Mitchell, George, 20, Lower Sackville-street
Molloy, Arthur, 18, Eustace-street
* Molloy, Very Rev. Dr., Catholic University, St. Stephen's green, south
* Molyneux, Sir Capel, Bart., Castle Dillon, Armagh
* Monck, Right Hon. Viscount, Charleville, Bray
345 * Monteagle, Right Hon. Lord, Mount Trenchard, Foynes
Montgomery, Robert John, 50, Grosvenor-square, Rathmines
* Moore, Robert H., F.R.C.S.I., 29, Upper Merrion-st.
Moore, Thomas J., Director, Museum, Liverpool
Moore, William F., Kenilworth-terrace, Rathgar
350 Moreton, Captain the Hon. A. Eastwood. Bagnalstown
* Morrogh, Leonard, 5, Great Denmark-street
Moses, Marcus, Rathley, Ballybrack
Murland, James W., 25, Fitzwilliam-square
Murphy, Michael, 17, Eden-quay
355 Murphy, William, 7, Rostrevor-terrace, Orwell-road, Rathgar
Murray, Herbert H., Elgin House, Elgin-road
Murray, J. Marshal, 24, College-green
* Napier, Right Hon. Sir Joseph, Bart., Merrion-square
* Neilson, James, 104, Middle Abbey-street
360 * Nesbitt, Miss, Leixlip House, Leixlip
Nolan, Edward, 24, Nassau-street
Nolan, Henry P., M.D., Lower Baggot-street

Nolan, William, 24, Nassau-street
Norman, Francis, 16, Granby-row
365 Nugent, John, M.D., 14, Rutland-square
O'Brien, Hon. Mr. Justice, 92, St. Stephen's-green
✠ O'Brien, Edward William, Cahirmoyle, Newcastle West
O'Donnell, James, Eustace-street
✠ O'Ferrall, James, 3, Gresham-terrace, Kingstown
370 Ogle, John, 59, Dawson-street
O'Hagan, John, Q.C., 22, Upper Fitzwilliam-street
O'Hagan, Right Hon. Lord, 34, Rutland-square
O'Leary, W. H., M.D., M.P., 38, York-street
✠ O'Rorke, Hugh, 4, Breffni-terrace, Sandycove
375 ✠ Ormond, Most Hon. Marquess of, Kilkenny Castle
Oldham, Eldred, 12, Westmoreland-street
✠ Palgrave, Charles, 17, Eden-quay
Palmer, Sir Roger, Bart., Kenure Park, Rush
Panton, Arthur, F.T.C., Trinity College
380 ✠ Parker, Alexander, 46, Rathmines-terrace
Patterson, James, 20, Elgin-road
Pattison, Henry, Druid Lodge, Loughlinstown
Patton, A., M.D., Farnham House, Finglas
✠ Peebles, Robert W., 9, North Frederick-street
385 ✠ Peebles, William E., 9, North Frederick-street
Peele, Edward, M.D., 41, Lower Baggot-street
✠ Perceval, Charles, M.D., 5, Wilton-terrace
Perrin, Mark, Knockdromin, Rush
Perry, James, Dean's Grange, Monkstown
390 Pigot, D. R., 12, Leeson-park
Pigot, J. E., Mrs., 14, Fitzwilliam-place
Pilkington, H. W., 8, Rutland-square
Pim, Frederick W., 4, Richmond-hill, Monkstown
Pim, Richard, 4, Queen's Park, Monkstown
395 Pim, George, Brenanstown, Cabinteely
Pim, Greenwood, Esq., Easton Lodge, Monkstown
Pim, J. Lister, 22, William-street
Pim, Henry, 62, Lower Baggot-street

Pim, Jonathan, William-street
400 Pim, Joseph Todhunter, Greenbank, Monkstown
Pim, Thomas, William-street
Pim, Thomas, jun., William-street
Pim, James, jun., Charlemont, Foxrock, and 11, Burgh-quay
Pim, W. Harvey, William-street
405 Plunkett, P. J., 14, Palmerstown-road, Rathmines
Poole, Rev. Hewitt R., F.T.C.D., 15, Lower Fitzwilliam-street
* Porter, George H., M.D., 3, Merrion-square, north
Power, Sir Alfred, K.C.B., 35, Raglan-road
* Powerscourt, Right Hon. Viscount, Powerscourt, Enniskerry
410 Proud, Nicholas, Leconsfield, Glenageary
Quain, John, 85, Harcourt-street
* Rathborne, John G., Dunsinea, Phœnix Park
Reeves, Robert, 5, Fitzwilliam-place
Reeves, Richard S., 17, Merrion-square, east
415 Reeves, Robert, Barrister, 3, Upper Ely-place
Reside, William, 21, College-green
* Riall, Mrs. Arthur, Chantilly, Loughlinstown
Rigby, John, 24, Suffolk-street
Roberts, S. U., C.E., 6, Burlington-road
420 * Robertson, C. John, M.D., District Asylum, Monaghan
Robertson, William, Fitzwilliam-square
Robinson, T. J., 21, College-green
Robinson, William Henry, 100, Pembroke-road
* Roe, Henry, Mount Anville Park, Dundrum
425 * Rowley, Captain Thomas Taylor
Ryan, T. E., 70, Abbey-street
Ryan, Joseph Stephen, 6, Lansdowne-road
Salmon, Rev. Dr., F.T.C.D., Wellington-road
Sanger, Thomas H., Belgrave-square, Monkstown
430 Savage, Mrs.
Scott, Francis M., J.P., Island-bridge House

Scott, Charles M., M.D., Tower-hill, Dalkey
✠ Scriven, W. B., M.D., 33, St. Stephen's-green
✠ Shackleton, Joseph F., Anna Liffey Mills, Lucan
435 ✠ Shackleton, Abraham, Clonbrone, Temple-road, Rathmines
✠ Shirley, Evelyn J., D.L., Carrickmacross
Simmonds, James S., 21, Bachelor's-walk
Sinclair, Edward B., M.D., 45, Upper Sackville-street
✠ Sligo, Most Hon. the Marquess of, Westport House, Westport
440 ✠ Smith, Aquilla, M.D., 121, Lower Baggot-street
✠ Smith, Walter G., M.D., 34, Lower Baggot-street
✠ Smyth, Edward Webber, 7, St. Stephen's-green
✠ Smyth, Robert William, 3, Seaview-terrace, Donnybrook
Smyly, P. Crampton, M.D., 4, Merrion-square, north
445 Smyth, George, 81, Pembroke-road
✠ Southwell, Right Hon. Viscount
✠ Spottiswode, Lieutenant Colonel A.
✠ Staunton, C. F., M.D.
✠ Stewart, Henry H., M.D., Lucan
450 ✠ Stewart, Alexander J. R., D.L., J.P., Ards House, County Donegal
Stoker, E. A., M.B., 49, Rutland-square, west
✠ Stoker, William Thornley, M.D., 16, Harcourt-street
✠ Stokes, F., J.P., Walthamstow, Donnybrook
✠ Stokes, William, M.D., 5, Merrion-square, north
455 ✠ Stoney, Bindon, C.E., 42, Wellington-road
Stoney, Loftie, M.D., 89, Lower Baggot-street
✠ Sugrue, Charles, I. H., 4, Belvedere-place
✠ Sullivan, A. M., M.P., 11, Great George's-street, north
Sullivan, E., Right Hon. the Master of the Rolls, Fitzwilliam-place
460 ✠ Sullivan, W. K., Queen's College, Cork
Swanzy, H. R., M.D., Merrion-square
Swanzy, John, 12, Waterloo-road
Sweetman, Patrick, 23, Francis-street

* Sweetman, Walter, 4, Mountjoy-square, north
465 Sykes, George, 34, Dame-street
* Talbot de Malahide, Right Hon. Lord, The Castle, Malahide
* Taylor, Moses, Morristown, Newbridge
Taylor, Thomas H., 36, Wellington-road
* Tickell, George, 18, Mary-street
470 * Tighe, The Right Hon. W. F., Woodstock, Innistiogue
* Thom, Alexander, Middle Abbey-street
* Thompson, H. Yates, Ennismore Gardens, Princes Gate, London
Thompson, Henry, 13, Fitzwilliam-place
Todhunter, Joshua E., 116, Lower Baggot-street
475 * Toole, Charles, D'Olier-street
Torney, Thomas, M.D., 8, Blackhall-street
* Townsend, Charles Uniacke, 10, Burlington-road
* Traill, Anthony, LL.D., F.T.C.D., 6, Frederick-street, north
Turbett, Robert E., 3, Bachelor's-walk
480 Tweedy, Henry, M.D., 16, Rutland-square
* Tyrrell, James, Kildare-street
Vance, Thomas, 9, Bridge-street
* Vandeleur, Colonel C. Moore, Kilrush House, Kilrush
* Vigors, H. M.
485 Wade, Robert, M.D., 208, Great Brunswick-street
Waller, Edmund W., Brewery, James's-gate, and The Laurels, New Kilmainham
Walpole, E., Windsor Lodge, Seafield-avenue, Monkstown
Walpole, George, 8, Suffolk-street
Walpole, Edward, jun., Windsor Lodge, Seafield-avenue, Monkstown
490 * Warren, Robert, J.P., 40, Rutland-square
Waterhouse, Samuel, 25, Dame-street
Watson, Henry Stewart, 13, Vesey-place, Kingstown
Wardell, John, Thomas-street

✠ West, George Aug., Altadore, Blackrock
495 Westropp, W. H., Stackpoole, Lisdoonvarna
✠ Whyte, William, George's-hill, Balbriggan
✠ Whitty, John Irwin, LL.D., 94, Lower Baggot-street
Wigham, Henry, 33, Capel-street
Wigham, J. R., Albany House, Monkstown
500 Wilson, Major, R.E., Ordnance Survey, Mountjoy, Phœnix Park
✠ Williams, J. E., R.A.
Williams, R. P., 38, Dame-street
Wilson, George Orr, Dunardagh, Blackrock
✠ Wilson, John
505 Wilson, Joseph, D.L., 15, Upper Temple-street
Wilson, James, LL.B., 65, Fitzwilliam-square, north
Wilson, Thomas, 65, Fitzwilliam-square, north
Winstanley, James, 23, Park avenue, Sandymount
Woodlock, Joseph, 42, Dame-street
510 Woodlock, T., 42, Dame-street
Woodlock, William, 15, Mountjoy-square
✠ Woods, H. Hamilton, J.P., Whitestone House, Balbriggan
✠ Wright, Joseph, Edenvale, Conyngham-road
Wybrants, Wm. Geale, Four Courts
515 Wynyard, Colonel H. B., R. Hib. Military School, Phœnix Park
✠ Yeates, Stephen, 2, Grafton-street
Young, Robert F., 34B, College-green

GARDEN SUBSCRIBERS.

Aitken, William, 106, Salem House, Rathmines
Anderson, Samuel Lee, 74, Lower Baggot-street
Andrews, G., Williamstown Castle, 94, Lower Leeson-street
Armstrong, Richard, First Sergeant-at-Law, 32, Stephen's-green
5 Atkinson, Richard William, Coldblow House, Donnybrook
Bayley, Kennett, 64, Eccles-street
Beare, G. H., Phœnix Glen Lodge, Conyngham-road
Brereton, John, Fairfield, Herbert-road, Sandymount
Biddulph, Captain F. H., 19th Regiment, Rosemount, New Kilmainham
10 Boyd, Walter, LL.D., 22, Merrion-square, south
Browne, Valentine, 24, Harcourt-street
Bryson, Mrs., 1, Prince Patrick-terrace, North Circular-road
Burke, Captain John, 3, Eblana-terrace, North Circular-road
Carpenter, Arundel, 125, Leinster-road, Rathmines
15 Connolly, Albert, 6, Cumberland-place, North Circular-road
Courtenay, Mrs. Mary, 7, Upper Gloucester-street
Donnelly, Joseph, Everton, Cabragh
Downing, Charles, 2, Abercorn-terrace, North Circular-road
Duncan, John, Commandant, R.I.C., Phœnix-park
20 Dunne, Patrick, 3, Loch Lomond-terrace, North Circular-road
Dunphy, Thomas, 161, Phibsborough-road
Edmundson, Mrs., Foxrock
Fannin, John E., Surgeon-Major, 1, Victoria-terrace, North Circular-road

Franklin, William, 12, Conyngham-road
25 Frazer, John F., 4, Eblana-terrace
Gamble, R. Wilson, 51, Fitzwilliam-square
Garland, Edward, 9, Belfast-terrace
Gore, Staff-Surgeon, 2, Wodehouse-terrace
Halligan, John, Usher's Island
30 Harman, E.B., Colonel, D.A.G., Royal Hospital
Haughton, Wilfred, 15, Northumberland-road
Hopkins, Nicholas, 80, Grafton-street
Hurford, James, 19, Montpelier-hill
Johnston, Dr., 3, Lorne-terrace, North Circular-road
35 Jones, Percival, 11, Eblana-terrace, North Circular-road
Kiddle, Captain, R.N., 70, Leeson-street, upper
Lawless, Edmund, M.D., St. Patrick's Hospital
Lewis, Mrs., 2, Victoria-terrace, North Circular-road
Lube, Wm. Francis, 30, Mountjoy-square
40 Macrory, Robert J. Turnley, 31, Rutland-square, west
M'Gill, Capt. and Adjutant, Royal Hospital
M'Neigh, H. G., 1, Lorne-terrace, North Circular-road
Meath, Right Hon. Earl of, Kilruddery, Bray
Meldon, James D., 24, Merrion-square, north
45 Millea, Edward, 25, Pargate-street
Montgomery, Captain Robert J., Hollybank, Drumcondra
Morris, Right Honorable Chief Justice, 22, Lower Fitzwilliam-street
Morrison, Henry, 17, Westmoreland-street
Murphy, Henry, 31, Montpelier-hill
50 Murphy, Michael, Parkgate-street
Nash, Francis Herbert, A.M., 9, Synnott-place
Nedley, Thomas, M.D., Cavendish-row
Newman, Miss, 61, Lower Baggot-street
O'Brien, Timothy, Ailesbury House, Merrion
55 O'Keefe, Edward, 3, Mill-street

Orpen, John H., LL.D., 58, St. Stephen's-green, east
Perrin, Richard, 50, Sackville-street, lower
Phipps, George, 2, Park-place, Island-bridge
Richardson, Richard, 1, Montpelier-hill
60 Scott, William, 2, Lower Sackville-street
Shaw, Patrick, 46, Molesworth-street
Smith, Henry, 148, Capel-street, and Cremorne House, Terenure-road
Smith, Mrs., 3, Cabra-terrace
Stanley, Rev. Dr., 4, Loch Lomond-terrace, North Circular-road
65 Symms, Wm., 31, Dame-street
Thorburn, John, 8, Wodehouse-terrace, North Circular-road
Vincent, Mrs., Wasdale, Rathfarnham-road
Walker, William B., Chapelizod
Watson, Wm., 5, Lower Sackville-street
70 Weir, James, Blackrock
Wogan, Patrick, 51, King-street, north

BRITISH MUSEUM
Z D
NATURAL HISTORY

Presented.
21 MAR. 1906

21 MAR. 1906

The Forty-seventh ANNUAL REPORT OF The Royal Zoological Society OF IRELAND,

FOR THE YEAR ENDED 31st DECEMBER, 1878.

BRITISH MUSEUM
Z S D
NATURAL HISTORY

DUBLIN:
BROWNE & NOLAN, PRINTERS, NASSAU-STREET.
1879.

OFFICERS AND COUNCIL, 9th JANUARY, 1879.

PATRONESS.

HER MAJESTY THE QUEEN.

EX-PRESIDENTS.

HIS GRACE THE DUKE OF LEINSTER.
LORD TALBOT DE MALAHIDE.
SIR DOMINIC CORRIGAN, BART., M.P.
VISCOUNT POWERSCOURT.
EARL SPENCER, K.G.
J. W. MURLAND, M.A.

PRESIDENT.

J. LENTAIGNE, C.B.

VICE-PRESIDENTS.

BARTON, H. M., ESQ.
FINDLATER, W., ESQ.
GORDON, S., M.D.
MACALISTER, A., M.D.
ROBERTS, S. USHER, ESQ.

SECRETARY.

HAUGHTON, REV. S., M.D., D.C.L.

TREASURER.

HUTTON, T. MAXWELL, J.P.

COUNCIL.

BALL, R. S., LL.D.
BOYLE, R. W., J.P.
CARTE, W., J.P.
LALOR, J. J., ESQ.
LYLE, J. ACHESON, D.L.
MACDONNELL, ROBERT, M.D.
MACDONNELL, A., C.E.
MACSWINEY, S. M., M.D.
MAPOTHER, E. D., M.D.
PIM, J. TODHUNTER, ESQ.
REEVES, ROBERT, ESQ.
SHACKLETON, ABRAHAM, ESQ.
TOWNSEND, C. UNIACKE, ESQ.
TRAILL, ANTHONY, F.T.C.D.
WILSON, MAJOR, R.E., C.B.

R. J. MONTGOMERY, ASSISTANT SECRETARY.

Laws and Regulations

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

Chapter I.—THE CONSTITUTION.

1. The Society consists of Ordinary Members, and Honorary Members.

2. The Officers shall be chosen from amongst the Ordinary Members, and shall be—

A President,
Five Vice-Presidents,
A Secretary, and
A Treasurer,

who, together with fifteen other Ordinary Members of the Society, shall constitute the Council.

3. The Officers and Council for each year shall be elected at the Annual General Meeting of the Members of the Society.

4. But in case any Officer, or other Member of the Council, shall die or resign, the Council may appoint a Member to supply his place until the next Annual Meeting.

Chapter II.—THE MEMBERS.

1. Every person wishing to become a Member of the Society must be proposed in writing to the Council by one Member of Council, and seconded by another; and upon election and payment of his admission fee, such person shall be a Member of the Society.

2. But he shall not exercise the privileges of a Member until his first year's Subscription is paid in advance.

3. The Admission Fee shall be *One Pound,* the Annual Subscription *One Pound,* and the Composition for life in lieu thereof, *Ten Pounds.*

4. The Annual Subscription shall be due on the first of January in each year, and shall be payable in advance.

5. If the Subscription of any Member is not paid within one year after it is due, he shall cease to be a Member until he shall have paid up his arrears.

6. No person becoming a Member after the first day of October in any year shall be liable for the Subscription for that year.

7. No person shall exercise the privileges of a Member until he shall have paid his Subscription for the current year.

8. Ladies may be admitted as Members upon the same terms, and with the same privileges, as gentlemen.

9. Members of the Society, Wives of Members, and Children of Members, while resident with their parents, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and, in the case of Children of Members under twelve years of age, the name of the person in charge of them being also signed.

Chapter III.—HONORARY MEMBERS.

1. Distinguished persons may be elected Honorary Members without annual or other payment, by a vote of the Society, at any of its Meetings, upon the previous recommendation of the Council.

2. Honorary Members shall have the same privileges as other Members, except that of voting at the Meetings.

3. The number of Honorary Members shall be limited to twenty.

Chapter IV.—THE OFFICERS.

The President.

1. The President shall preside at all Meetings of the Society and Council, when present, and shall generally superintend the affairs of the Society.

2. The same person shall not be President for more than five successive years.

3. Ex-Presidents shall continue to be Honorary Members of Council.

Vice-Presidents.

1. Of the five Vice-Presidents, two at least shall go out at each election, but this shall not prevent their continuing Members of Council in another capacity.

2. The Vice-Presidents shall supply the place of the President in his absence.

The Secretary.

It shall be the duty of the Secretary to see to the execution of the rules, orders, and directions of the Society and Council.

The Treasurer.

No money shall be paid by the Treasurer, except upon the written order of the Council, signed by at least three of its Members.

Chapter V.—THE COUNCIL.

1. Three Members shall form a Quorum.

2. The Council shall meet at such times as they themselves shall determine.

3. It shall be the duty of the Council to conduct the business of the Society, subject to the laws and regulations of the Society at large.

4. All questions shall be decided by the majority of voices; and where the numbers are equal, the Chairman shall have a casting voice; but he shall not vote except in such case.

5. The Council may summon a Meeting of the Society for scientific purposes whenever they think fit, stating the object of such Meeting; and at such Meeting no business but that stated in the notice shall be discussed.

6. At least three of the Council shall go out at each election.

7. No Member of the Society having any contract with the

Society or Council for which payment is to be made, shall be eligible to a seat in the Council in any capacity; and if the name of any Member of the Society having a contract with the Society, or receiving any fee or emolument from the Society, shall be found in the ballot, that name shall be set aside by the Chairman, notwithstanding any number of votes that may be appended to it; and if any Member or Officer of the Council enter into any contract with the Society, or receive from it any fee, payment, or emolument, his seat shall become, *ipso facto*, vacant in the Council, and the Council shall immediately summon a Meeting of the Society, to elect a Member to the vacant place.

Chapter VI.—THE ANNUAL MEETING.

The Annual Meeting shall be held on the second Tuesday in January in each year, for the purpose of electing the Council and Officers for the ensuing year, and of hearing the Report of the Council read, and auditing the accounts.

Election of Officers.

1. The Council for the time being shall annually cause to be prepared a list of persons whom they recommend to be Officers and Council for the ensuing year.

2. The list shall distinguish the three or more Members proposed to be removed, and the three or more proposed to be elected in their room, and it shall be transmitted to each Member residing in Dublin, by post, along with the notice of the time and place of the General Meeting, to be sent at least seven days before the day of meeting.

3. The Chair shall be taken at four o'clock, when the ballot shall commence and continue open for one hour, at the expiration of which time the Chairman shall proclaim that the time had arrived when the ballot should close, and order the porter not to admit any other Members into the room, and then the Chairman shall call on the Members in the room who have not balloted to come forward and ballot, and the scrutiny shall forthwith take place; and those persons to whose names the

greater number of marks shall have been affixed, shall be declared duly erected, in the order and places in which they stand, provided at least three new Members be elected, but if not, then those of the proposed Members who have the least number of marks shall be rejected, until at least three former Members are excluded, and their places shall be filled by those who have the next greatest number of marks.

4. If two or more names have the same number of marks, the order of preference shall be decided by lot.

General Business.

1. No motion respecting a change in the laws or constitution of the Society shall be discussed or voted upon at the Annual or other Meeting, except as hereafter provided, unless notice thereof be given in writing to the Council, at least one month before such Meeting; the Council to give seven days' notice to the Members, as before ordered.

2. But the Council may propose, and bring to the vote, any measure or question, at any of the Meetings of the Society, provided it shall have been under their consideration for at least one month, and that notice thereof be given to the Members in the circular notice of such Meeting, at least seven days previous to the day of Meeting.

Chapter VII.—THE GARDENS.

1. Any pesrson enrolling his name in a book kept at the gate of the gardens, and paying One Pound a year, shall be a Subscriber, and shall have the same privileges of ingress to the Gardens as a Member of the Society.

2. The Council shall have the power of suspending all rights of free entrance to the Gardens upon the day of a public fete, or similar occasion, when such shall be given for the benefit of the Society.

3. During frost, the Council shall have power to suspend all privileges of Members and Garden Subscribers, except that of personal admission.

4. The Council shall have power from time to time to vary, as may seem fit to them, the rates of admission to non-subscribers.

ROYAL ZOOLOGICAL SOCIETY

OF IRELAND.

THE Forty-seventh Annual Meeting of the ROYAL ZOOLOGICAL SOCIETY OF IRELAND was held in the College of Physicians on Tuesday, 14th January, 1879.

MR. J. W. MURLAND, PRESIDENT,
IN THE CHAIR.

REPORT OF COUNCIL.

During the year 1878 the numbers of visiters to the Gardens, and the receipts at the entrance gate, were as follows :—

ADMISSION TO ZOOLOGICAL GARDENS, 1878.

	s.	d.					
Members, ...			...	11,959			
Public Institutions,			...	3,931			
Visiters' Tickets,			...	1,882			
Visiters at	5	0	...	117	... £29	5	0
Do. ,,	2	6	...	283	... 35	7	6
Do. ,,	1	0	...	13,387	... 669	7	0
Do. ,,	0	6	...	5,896	... 147	8	0
Schools ,,	0	3	...	1,484	... 18	11	0
Visiters ,,	0	2	...	57,290	... 477	8	4
Do. ,,	0	1	...	13,944	... 58	2	0
				110,173	£1,435	8	10
Books of Admission Tickets, ...					53	14	6
Garden Lectures (Alexandra College)					5	0	0
					1,494	3	4

During the preceding year (1877) the corresponding numbers and receipts were as follows:—

1. Members	...	7,782				
2. Public Institutions	...	3,646				
3. Visiters on Tickets	...	1,930				
4. Visiters at One Shilling	...	12,823	...	£641	3	0
5. Visiters at Sixpence	...	5,353	...	133	16	6
6. Visiters at Threepence	...	1,565	...	19	11	3
7. Visiters at Twopence	...	56,282	...	469	0	4
8. Visiters at One Penny	...	13,035	...	54	6	3
9. Sale of Admission Tickets		—	...	49	7	6
Total Admissions		102,416		£1,367	4	10

The total numbers of visiters and receipts at gate during the past ten years were as follows:—

Year.	Visiters.	Receipts.		
1869	136,052	1,046	8	4
1870	151,785	1,359	16	6
1871	167,692	1,352	0	5
1872	147,184	1,502	9	10
1873	147,762	1,450	4	3
1874	109,923	1,442	14	4
1875	104,945	1,500	4	8
1876	98,491	1,353	8	7
1877	102,416	1,367	4	10
1878	110,173	1,494	3	4

During the corresponding years the total receipts from Entrance Fees and Subscriptions were as follows:—

Year.				Entrance Fees and Subscriptions.
1869	...	...	...	369
1870	...	...	...	378
1871	...	...	...	435
1872	...	...	...	496
1873	...	...	...	404
1874	...	...	...	610
1875	...	...	...	429
1876	...	...	...	448
1877	...	...	...	595
1878	...	...	...	580

The stock of Animals, exclusive of Reptiles and Fishes, in the Gardens during the past ten years was as follows:—

Year.	Mammals.	Birds.
1869	143	219
1870	182	222
1871	173	245
1872	174	220
1873	153	216
1874	152	240
1875	136	237
1876	116	220
1877	142	211
1878	170	196

The sums expended in the purchase of Animals during the past ten years were as follows:—

Year.				£	s.	d.
1869	...	...	...	294	19	3
1870	...	...	...	435	6	6
1871	...	...	...	351	13	8
1872	...	...	...	416	6	11
1873	...	...	...	143	0	0
1874	...	...	...	234	18	9
1875	...	...	...	107	6	4
1876	...	...	...	185	4	5
1877	...	...	...	180	4	6
1878	...	...	...	202	5	11

The promenades of May, June, and July, were continued in 1878.

The numbers of members and visiters on the promenade days of the last ten years were as follows:—

Year.	Members.	Visiters.	Total.	Receipts.		
1869	902	2,946	3,848	£73	13	10
1870	986	3,633	4,619	88	3	6
1871	2,030	4,193	6,223	104	16	6
1872	1,488	2,710	4,198	135	10	0
1873	1,738	2,075	3,813	99	5	0
1874	1,814	1,741	3,555	86	2	6
1875	1,390	1,572	2,962	78	12	0
1876	1,729	2,050	3,779	92	0	6
1877	1,892	1,562	3,454	74	13	6
1878	1,567	1,402	2,969	64	14	0

The receipts from Sunday admissions, during the past ten years, have been—

Year.				£	s.	d.
1869	...	...	...	431	15	4
1870	...	...	...	472	6	6
1871	...	...	...	515	1	5
1872	...	...	...	471	14	7
1873	...	...	...	477	1	3
1874	...	...	...	497	8	4
1875	...	...	...	561	10	11
1876	...	...	...	521	8	7
1877	...	...	...	523	6	7
1878	...	...	...	535	10	4

The Zoological Society of Dublin was founded in 1832, and held its first public meeting on the 7th June, 1833, on which occasion its first Officers and Council were elected by ballot. The following table will show, in an interesting manner, the progress of the Society in its earlier years:—

—	—	Admissions			Subscriptions			Total numbers admitted at Gate
		£	s.	d.	£	s.	d.	
1st year .	1832	912	0	0	508	5	0	36,497
2nd ,, .	1833	787	0	6	285	0	0	37,680
3rd ,, .	1834	—			—			64,647
4th ,, .	1835	1,055	4	6	402	12	0	46,487
5th ,, .	1836	1,480	9	0	516	0	0	43,209
6th ,, .	1837	1,003	5	6	455	10	0	41,479
7th ,, .	1838*	750	8	9	878	2	0	34,469
8th ,, .	1839	656	3	6	575	0	0	53,768†
9th ,, .	1840	562	12	2	462	1	6	29,262
10th ,, .	1841	668	13	11	442	2	0	97,405‡

* In this year Her Majesty the Queen was graciously pleased to allow the Zoological Society of Dublin to assume the title of "Royal Zoological Society of Ireland."

† Nearly 20,000 persons were admitted free on the day of Her Majesty's coronation.

‡ Admissions at One Penny commenced in this year.

On comparing this table with that already given, it will be seen that during the first ten years of the existence of the Society the Entrance Fees and Subscriptions amounted (on an average) to £503 14*s.* 6*d.* per annum; and that during the last ten years of its existence they amounted to £474 8*s.* 0*d.*

This fact does not reflect much credit on the Zoological tastes of the wealthier citizens of Dublin.

From the commencement of the Society, it was felt that Zoological science should be cultivated; not merely by the collection and exhibition of living animals in the Gardens, but also by means of "scientific meetings, at which papers upon Zoology should be read, and discussions take place upon their contents," as we are informed by the first annual report, which further contains a project "for the purchase of four gold medals, to be given to the writers of the four best essays upon given subjects."

In conformity with the plan sketched out in the first report, papers were read at meetings of the Society (1833-4), by Dr. (afterwards Sir Henry) Marsh, Dr. Macartney, Dr. Hart, and Dr. Houston; and an Essay was received (written by a London Naturalist) on the *Crustacea*, competing for one of the gold medals promised by the Society.

The Council report that "the Essay in question was one of very great merit, and would have been gladly laid before the Society had not the Council considered it defective, inasmuch as its reasonings (forcible in themselves) were not sufficiently grounded on direct observation or experiment."

After this, no more was heard of the gold medal scheme.

Two additional methods of fostering a taste for Zoological science in Dublin were proposed in the Report of Council for 1834-5:—

1. "The delivery of a simple and well-arranged course of lectures by one or several Lecturers."
2. "The gradual formation of a Museum."

Doctors JACOB, HOUSTON, and HART undertook the task of delivering the Lectures; but the projected Museum never came into existence.

In the year 1837-8 a well-arranged course of Lectures was delivered, and was used not merely to instruct the public, but to bring in substantial aid in money to the Gardens. The gross receipts amounted to £183 7*s.* 6*d.*, and the expenses to £59 10*s.* 6*d.*, leaving a substantial balance of £123 17*s.* 0*d.* to aid the exhausted resources of the Society. The Lecturers who secured this advantage to the Society were:—

1. SIR PHILIP CRAMPTON on "Comparative Anatomy."
2. Dr. HANS IRVINE on "Dogs."
3. Dr. SCOULER on "Reptiles."
4. Dr. HARRISON on "Shells."
5. „ „ on "Feathers."
6. Dr. HOUSTON on "The Horse."
7. Dr. R. BALL on "Birds."
8. Dr. CORRIGAN on "Circulation of the Blood."
9. Mr. ISAAC BUTT on "Zoology and Civilisation."
10. Dr. EVORY KENNEDY on "The Different Races of Man."

From time to time, in subsequent years, lectures were delivered by Members of the Society, among whom may be mentioned :—

1. Dr. Houston on "The Defences of Animals."
2. Dr. R. Ball on "Fishes."
3. Dr. Thomas E. Beatty on "Preservation of Species."
4. Dr. R. Kane on "Animal Products."
5. Mr. Robert Mallet on "A Comparison of the Principles of Contrivance in Machinery and in Animals."
6. Rev. Cæsar Otway on "The Study of the Habits and Intellectuality of Domestic Animals, as a means not only of increasing their uses to mankind, but as also conducing to their own happiness."
7. Sir Philip Crampton on "The Chameleon."
8. Dr. Scouler on "The Natural History of Serpents."
9. Surgeon Wilde on "The Geographical Distribution of Man."
10. Dr. Harrison on "Mollusca."
11. Professor Allman on "The Coral Reef: its Architects and their Allies."
12. Mons. Du Chaillu on "The Gorilla."

In the year 1860–61 another course of public Lectures was delivered in the Royal Dublin Society, but it seems to have resulted in no pecuniary benefit to

the Zoological Society. The Lecturers who led this "forlorn hope" were :—

1. William H. Harvey, M.D.
2. Robert M'Donnell, M.D.
3. Benjamin G. M'Dowel, M.D.
4. J. Beete Jukes, M.A.
5. Rev. Samuel Haughton.

In the year 1869, Scientific Evening Meetings of the Society were held in March, June, and December, at which *five* interesting Papers were read and discussed; and in the corresponding months of 1870 *seven* similar Papers were laid before the Society. It was all in vain; for it seemed like "flogging a dead horse" to attempt to galvanize the Dublin public into taking an interest in Zoological questions.

During the past year (1878), the project of Garden Lectures was revived, energetically, by those of the Council who still had hopes of success, and the following subjects were discoursed upon, and illustrated by the living animals, in the Gardens, according to the following Programme:—

I.—May 11, "The Large Cats and their Poor Relations."
By the Rev. SAMUEL HAUGHTON, M.D., Secretary.

II.—May 18, "Coral and Coral Islands."
By E. PERCIVAL WRIGHT, M.A., M.D., F.L.S., Professor of Botany in the University of Dublin.

III.—May 25, "The Ungulates and Bears of the Zoological Gardens."
By A. LEITH ADAMS, M.D., F.R.S., Professor of Zoology in the Royal College of Science for Ireland.

IV.—June 1, "Nutrition in Animals."

By CHARLES A. CAMERON, M.D., Professor of Hygiene in the Royal College of Surgeons of Ireland.

V.—June 8, "On some Automatic Actions."

By GEORGE SIGERSON, M.D., F.L.S., Lecturer on Botany in the Catholic University of Ireland.

VI.—June 15, "The Myths of the Monkeys."

By ALEXANDER MACALISTER, M.D., Professor of Comparative Anatomy and of Zoology in the University of Dublin.

The Lectures will be delivered in the Gardens, Phœnix Park, at Half-past Three of the clock, P.M., *on each of the above-named days.*

Admission One Shilling.—Members and their Families Free.

The total number of attendances on these Lectures was only 1,701; and they produced a gross sum of £34 2*s.* 0*d.*—not sufficient to defray the costs of the Lecture Hall and appliances.

The above-named Lectures were delivered in a temporary Lecture Hall, open at one end, erected for the purpose on the grounds of the Society.

During the visit of the British Association to Dublin, in August last, your Council had the honour of entertaining at breakfast 72 of the most distinguished of the Foreign and British visiters. The breakfast was given in the Aquarium, which was specially fitted up for the occasion.

The service thus rendered by your Council to the citizens of Dublin, in helping to receive with due hospitality their distinguished guests, was rewarded by the unanimous vote of £100 (surplus funds of the Dublin British Association Reception Committee), to assist the Zoological Society in the purchase of a breeding

Lioness. This has been successfully accomplished, and a healthy young Lioness arrived safely on the morning of the 3rd January, 1879.

At the close of last year a severe frost set in, accompanied by snow, and lasted for upwards of a fortnight, during which the ice on the Garden Lake attained, in places, a thickness of nine inches. Many visiters enjoyed the pastime of skating during the fortnight; and your Council are happy to report that their carefully provided preparations to save life were quite unnecessary, as no accident of any kind occurred on the ice.

No deaths of animals were attributable to the frost, as special precautions were taken to supply additional fuel for the stoves, and extra straw for bedding.

BALANCE SHEET. 31st DECEMBER, 1878.

			£	s.	d.	£	s.	d.
Admission to Gardens—								
Members	11,959							
Public Institutions ..	3,931							
Visiters' Tickets ..	1,882							
Do. at 5*s.*	117	£29	5	0				
Do. at 2*s.* 6*d.*	283	35	7	6				
Do. at 1*s.*	13,387	669	7	0				
Do. at 6*d.*	5,896	147	8	0				
Schools .. at 3*d.*	1,484	18	11	0				
Visiters .. at 2*d.*	57,290	477	8	4				
Do. .. at 1*d.*	13,944	58	2	0				
Total Admission ..	110,173	£1,435	8	10				
Books of Admission Tickets		53	14	6				
Lecture Tickets paid per Alexandra College		5	0	0		1,494	3	4
Government Grant						500	0	0
Members' Subscriptions—								
Members		£346	0	0				
Garden		141	0	0				
Life		70	0	0				
Entrance Fees ..		23	0	0		580	0	0
Donations						40	0	0
Do. Reception Committee British Association						100	0	0
Science and Art Department for Plesiosauros ..						200	0	0
Animals Sold						72	11	9
Incidentals						13	11	0
Balance due Bank per Bank Book		£52	3	5				
Cheque No. 35,315 not yet gone in		2	15	6		54	18	11
					£3,055	5	0	

	£	s.	d.
Due to Bank from last Account	246	15	7
Purchase of Fish for Aquarium	6	19	0
„ Animals	195	6	11
Provisions for Animals	1,063	0	8
Incidentals, including Printing, Advertisements, Men's Clothing, &c.	238	15	6
Coal and Coke	59	19	6
Salaries and Wages	761	9	2
Buildings and Plantations	119	10	10
Heating Aviary, Apparatus and Fittings ..	107	2	1
Water Rate per Meter	51	11	8
Instalment of Debt to Corporation for Laying Pipes	10	0	0
Cost of Promenades	47	2	0
Fire Insurance	1	1	0
Invested on Deposit Receipt for Lioness ..	100	0	0
Expenses connected with Ice	46	11	1
	£3,055	5	0

I have examined the above Account, compared the several entries, and find the balance against the Society, on the 31st December, 1878, to be £54 18*s.* 11*d.*

JOHN J. LALOR.

APPENDIX II.

RETURN OF ANIMALS PRESENTED

TO THE

Royal Zoological Society of Ireland

DURING THE YEAR 1878.

1878.	ANIMALS, ETC.	BY WHOM PRESENTED.
Jan. 15th	1 Tortoise,	The Misses Mathews, 12, Swift's-row
,, 16th	1 Monkey,	Oliver Flood, Esq., 5, Seaford-parade, Williamstown
,, 22nd	1 Grey Parrot,	Master Gore, 2, Wodehouse-terrace, North Circular Road
,, 24th	1 Pair Turtle Doves,	Miss Moppett, 17, Morehampton-rd., Donnybrook
Feb. 1st	1 Badger,	John Fowler Cookson, Esq., 53, Fishergate, Preston, Lancashire
,, 4th	2 Cock Reeves's Pheasants,	Thos. Longworth Dames, Esq., D.L. Greenhill, Edenderry
,, ,,	2 Cock Japanese do.,	
,, 20th	1 Badger,	James Robinson, Esq., Fintona, co. Tyrone
,, 22nd	2 Herring Gulls,	John Rigby, Esq., 24, Suffolk-street
,, 23rd	1 Rhesus Monkey,	William Stopford Hunt, Esq., Dromdiah, Killeagh, co. Cork
Mar. 4th	1 Pair Arabian Pigeons,	Robt. Shaw Lees, Esq., 7, Islington-avenue, Sandycove
,, 5th	2 Peahens,	Miss Corbet, Greenhall, Rathcormack, co. Cork
,, 14th	11 White Rats,	Charles H. E. Hall, Esq., Athenry, co. Galway
,, 20th	1 Sooty Monkey,	Vere Ward Brown, Esq., Oakland Villas, Rathgar
	1 Bonnet Monkey,	

1878.	ANIMALS, ETC.	BY WHOM PRESENTED.
Ap. 11th	1 Northern Diver,	Miss Maude Carter, Phœnix Park
,, ,,	1 Guillemot,	Rev. J. M'G. Ward, R.N., H.M.S. "Topaze"
,, 22nd	1 Badger,	Capt. Archdale, D.L., Castle Archdale
,, 29th	1 Sea Eagle,	Mrs. Ingham, Joy House, Athlone
May 13th	1 Long Eared Owl,	Master Hanna, Rehoboth, Dolphin's Barn
,, 20th	1 Musk Duck,	Mr. John Ryan, 5, Kendrick-lane
,, 21st	1 Long Eared Owl,	Master Weldon, Kilmarony, Athy
,, ,,	1 Magpie,	Master T. H. Weldon, Kilmarony, Athy
,, 25th	1 St. Gothard Dog,	Alfred M'Dermott, Esq., 43, Fitzwilliam-square
,, 29th	1 Pair Pigeons,	Miss Haughton, 30, Hardwicke-street
June 6th	1 Heron,	Edward Garnett, junior, Newtown School, Waterford
,, ,,	1 Hooded Crow,	Master Thomas Wardell, Newtown School, Waterford
,, ,,	1 Do., do.,	Master Ernest Pim, Newtown School, Waterford
,, 10th	1 Badger,	R. E. Reeves, Esq., Cappard, Portarlington
,, 20th	1 Tiercel,	William Corbet, Esq., Greenhall, Rathcormack, co. Cork
,, 22nd	1 Crocodile,	Dr. Lamprey
,, 24th	2 Canaries,	Master A. H. Carter, Phœnix Park
,, ,,	2 Box Tortoises.	Miss M. Carter, Phœnix Park
,, ,,	1 Do., do.,	Master E. A. Carter, Phœnix Park
,, 29th	3 Cormorants, 1 Magpie, 2 Peregrines, and 6 Kestrels,	William Corbet, Esq., Greenhall, Rathcormack, co. Cork
July 3rd	1 Bonnet Monkey,	Mr. J. Hodsman, 1, Love-lane, west
,, 15th	1 Tortoise,	Mr. Matthew Redmond, 2 Dorset-pl.
,, 20th	1 Peregrine,	William Corbet, Esq., Greenhall,
,, ,,	2 Goshawks,	Rathcormack, co. Cork
,, 22nd	2 Shieldrakes,	Capt. Boxer, R.N., Inspector, Irish Lights
,, 24th	2 Barn Owls,	Garrett C. Tyrrell, Esq., Ballinderry, co. Kildare
,, 30th	1 Red Squirrel,	Charles W. Steele, Esq., 15, Hatch-st.
,, 30th	1 Guinea Fowl,	Mr. Hanna, Rehoboth Reformatory, Dolphin's Barn
Aug. 7th	1 Civet Cat,	J. S. Jameson, Esq., The Glen, Sligo

1878.	ANIMALS, ETC.	BY WHOM PRESENTED.
Aug. 14th	1 Rhesus Monkey,	John Pollock, Esq., 46, Grosvenor-square, Rathmines
,, 16th	1 Do., do.,	E. W. Maunsell, Esq., 14, Montpelier hill
,, 20th	2 Barn Owls,	W. R. Tully, Esq., Carlow
,, ,,	1 Badger,	Sergt.-Major Craig, 7 Dragoon Guards
,, 26th	2 Hares,	M. O'Reilly. 33, Goldsmith-street
,, 30th	1 Badger,	T. Hanna, Esq., 5, Gardiner's-place
,, ,,	1 Sparrow Hawk,	J.Crosbie Smith, Esq., 22, Rathmines-road
,, 31st	1 Barn Owl,	—— Grattan, Esq.
Sep. 8th	2 Kestrels,	Mrs. Prossor, Longford
,, 12th	1 Egret Monkey,	H. Allen, Esq., 41, Upper Rathmines
,, 16th	1 Sparrow Hawk,	P. Higgins, Royal Irish Constabulary
,, ,,	2 Carrier Pigeons,	G. Kilroy, Esq., 11, Drumcondra-ter.
,, 27th	2 Herring Gulls,	P. Stacke, Esq., Wicklow
,, 30th	1 Bonnet Monkey,	R. Shaw, M.D., 93, Talbot-street
Oct. 7th	1 Rhesus do.,	Mrs. Potts, Runnymede, Ballinasloe
,, 8th	3 Red Legged Gulls, 1 Jackdaw, 2 Magpies,	Vere Ward Brown, Esq., Oakland villas, Rathgar
,, 9th	1 Rhesus Monkey, 2 Sharp-tailed Conures, & 2 Zebra Parrakeets,	Mr. E. O'Keefe, 3, Mill-street
,, 15th	2 Brahma Pootra Fowls,	Mr. J. Dowling, 102, Thomas-street
,, 18th	3 Blackheaded Gulls,	Celsus Dunne, Esq., 3 Loch Lomond-terrace, North Circular Road
,, ,,	1 Bonnet Monkey,	E. H. Fetherston-H., Hungerford House, Blackrock
,, 20th	1 Sand Lizard,	E. D. Mapother, Esq., M.D., Merrion-square
,, ,,	2 Tree Frogs,	
,, ,,	1 Cuttle Fish,	A. Nicholson, Esq., Registry of Deeds Office
,, 22nd	5 Kestrels,	V. W. Brown, Esq., Oakland Villas, Rathgar
,, 29th	2 Barn Owls,	W. Stawell Garnett, Esq., Williamstown
,, ,,	6 Persian Cats,	Mrs. Stewart, Stewart's Lodge, Leighlinbridge
Nov. 1st	1 Land Tortoise,	Master Ward, 11, Upper Rutland-st.
,, ,,	1 Pair Brahma Fowl,	C. Graham, Esq., Belview, Sutton
,, ,,	1 Cochin Fowl,	M. Mahoney, Esq., Baldoyle
,, ,,	1 Racoon,	W. Corbet, Esq., C.M., Greenhall, co. Cork

1878.	ANIMALS, ETC.	BY WHOM PRESENTED.
Nov. 4th	1 Hedgehog,	Master Martin Morris, 22, Lr. Fitz-william-street
,, ,,	1 Kestrel,	Mr. T. Hanna, Rehoboth Reformatory
,, 6th	1 Alexandrine Parra-keet,	Mr. Spedding, Viceregal Lodge
,, 29th	1 Great Sulphur-Crested Cockatoo,	Mrs. Petty, 3, Carlisle-terrace, N.C.R.
Dec. 3rd	1 Blackbird (Var.)	Miss Cooper, 19, Upper Pembroke-st.
,, 7th	2 Bantam Fowl,	W. Dowling, Esq., Largeymore, Lis-burn
,, ,,	1 Bonnet Monkey,	Hon. F. Lawless
,, 24th	1 Coatimondi,	J. Garland, M.D., 9, Belfast-terrace, North Circular Road
,, 26th	1 Mongus,	E. Croghan, Esq., 142, Capel-street.

RETURN OF ANIMALS BORN IN GARDENS.

1878,	1st Jan.	1 Cereopsis Gosling.
,,	9th ,,	1 Llama.
,,	20th June	1 Red Fawn.
,,	5th July	1 Ocelot.
,,	3rd Aug.	1 Guanaco (F.)
,,	15th Sep.	1 Leopard.
,,	,, ,,	1 (born dead).
,,	16th Nov.	2 Leopards.
,,	27th ,,	4 Cereopsis Goslings.

NUMBER OF HORSES, &c., RECEIVED FOR THE USE OF THE ANIMALS, 1878.

119 Carcases of Beef.
24 Horses.
17 Sheep.

List of Members

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

HONORARY MEMBERS.

Bell, Professor, F.R.S., Selborne
Carus, M. Victor, Museum, Leipsic
Gould, John, F.R.S., 26, Charlotte-st., Bedford-square, London
Jenyns, the Rev. L., F.R.S.
Jones, Professor Rymer, F.R.S., King's College, London
Just, Wm., Pacific Steam Navigation Co., Liverpool
Lea, Isaac, LL.D., Philadelphia
Leach, Colonel, R.E., Highgate, London
Mayo, Rt. Hon. The Earl of, Palmerstown house, Naas
Montgomery, General G. S., H.M. Indian Army, C.S.I., Fort Royal, Rathmullan
Owen, Professor, F.R.S., British Museum, London
Rupell, M. M., Frankfort
Sclater, P. Lutley, Ph.D., F.R.S., Secretary, London Zoological Society
Trevelyan, Sir Charles, K.C.B., Indian Service

CORRESPONDING MEMBERS.

James Armstrong, M.B., 8, Leeson-Park
William Armstrong, Surgeon-Major, Curragh Camp
Colonel Collingwood, 21st Fusiliers
William Corbet, Green Hall, Rathcormack, co. Cork
John P. Denton, Jun., West Hartlepool
George S. Dobson, Assistant Staff Surgeon, India, Royal Victoria Hospital, Netley, Southampton
Dr. Doyle, Assistant Surgeon, "Serapis"
Col. Dwyer, 1st Battalion 14th Regiment
Hon. H. Fitzgerald, Trinidad
J.B.Hamilton,Esq.,M.D., Royal Artillery,Surgeon Major
His Excellency J. Pope Hennessy
Henry Thomas Henry, M.D., Bathurst, Gambia, West Africa
J. J. Lamprey, M.D., 2nd West Indian Regt., Cape Coast Castle
E. C. Markey, Esq., M.D., Surgeon Major, Portsmouth
James McCreery, Surgeon Major
F. A. Montgomery Moore, late 1st West India Regt.
C. B. Mosse, Surgeon Major, Kingston, Jamaica
Capt. Joseph Nelson, Ship "Parsee" (4, Eglinton-terrace, Ranelagh
J. M. Price, Surveyor-General, Hong-Kong
Captain Seymour, Chief Commissioner of Police, Queensland
E. Guy Selby Smythe, Sunbury-on-Thames
Rev. John MacG. Ward, Chaplain, R.N., H.M.S. "Topaze," Kingstown
Dr. Samuel Warren, 55, Park Avenue, Sandymount
N. W. Fitzgerald, 33, Queen-street, Melbourne

LIFE AND ANNUAL MEMBERS.

✻ Indicates Life Members.

✻ The Right Hon. the Earl Spencer, Althorpe
✻ His Grace the Duke of Abercorn
✻ The Hight Hon. the Earl of Kimberley
✻ His Grace the Duke of Marlborough
5 Adair, S. F., 24, Fitzwilliam-square, south
Alexander, Alfred J., Richmond-villa, Monkstown
Alexander, William, 10, Belgrave-square, Monkstown
✻ Allen, Henry J., Fern Dene, Stradbrook, Blackrock
Allen, Captain, Governor's House, Arbour Hill
10 ✻ Allen, Richard Purdy, Chelmsford House, Angell-road, Brixton, London, S.W.
Allen, Richard, 28, Lower Sackville-street
✻ Annally, Lord, Woodlands, Clonsilla
Andrews, Arthur, Newtown House, Blackrock
Andrews, Henry, Hastings, Blackrock
15 ✻ Archer, William, F.R.S., St. Brendan's, Grosvenor-road, Rathmines
Armstrong, G. R., King's Hospital, Blackhall-place
✻ Arthur, Lieutenant-Colonel
Athill, Lombe, M.D., F.R.C.S., Rotundo Hospital, Rutland-square
✻ Atkinson, John, Ely-place
20 Aungier, Robert, 66, Eccles-street
Babington, William, D.A., 25, Upper Fitzwilliam-street
Bagot, John, 28, William-street
Baily, John, C.E., 3, Blackhall-place
✻ Ball, J. B., 12, Merrion-square, east
25 ✻ Ball, Robert Stawell, LL.D., Observatory, Dunsink
✻ Bangor, Right Hon. Lord, Castle Ward, Downpatrick
✻ Banks, John T., M.D., 11, Merrion-square, east
✻ Barker, H. O., LL.D., 6, Gardiner's-row
✻ Barker, Richard Oliver, 6, Gardiner's-row
30 ✻ Barker, William Oliver, M.D., 6, Gardiner's-row
✻ Barker, John, M.D., 83, Waterloo-road

Barrington, Sir Croker, Bart., 60, Fitzwilliam-sq., north
Barrington, Sir John, Right Hon. the Lord Mayor, Mansion House
Barrington, William L., Mansion House
35 Barry, John E., 12, Mountjoy-square, north
Barry, Right Hon, Mr. Justice, Fitzwilliam-square
Barton, Freeman, 38, Upper Fitzwilliam-street
Barton, Henry M., 4, Foster-place
Barton, John K., M.D., 24, Lower Fitzwilliam-street
40 Baxter, Charles Patrick, M.D., 66, Lower Baggot-street
* Beach, Sir M. E. Hicks, M.P., Portman-square, London
* Beaney, J. G., M.D., Melbourne
Belas, George Henry, 18, Leinster-road
Bennett, Edward H., M.D., 26, Lower Fitzwilliam-street
45 Bentham, William, 66, Upper Sackville-street
* Bewley, Samuel, jun., 6, Dame-street
* Bewley, Samuel Tertius, 6, Dame-street
* Black, William Fleming, 27, Eccles-street
Blake, John A., 6, Ely-place
50 * Blood, Bagot, 38, Wellington-road
* Blood, J. L. H., Longford-terrace, Monkstown
Blood, Frederick, Mountjoy Brewery
Bloxham, Henry C., Ulster Bank
* Bolton, S. H., Grove House, Rathmines-road
55 * Bookey, Mrs. William, Beauchamp, Bray
* Bomford, George, Oakley Park, Kells
Bourke, Hon. C. F., Dublin Castle
Boyd, R. Macrory, Walworth, Grand Canal
Boyd, Samuel, Shanganagh Park, Loughlinstown
60 Boyle, Richard, W., College-green
Brady, Thomas F., 11, Percy-place
* Brady, Maziere J., 2, Wilton-place
Brady, James, M.D., 38, Harcourt-street
Brennan, Charles, Watling-street
65 * Bridgeford, W. B., 148, Sackville-street
* Brooke, Sir Victor, Bart., Colebrook, Brookboro'
Brooke, Thomas H. C., 7, Victoria-ter., N. Circular-rd.

* Brooke, William, Taney-hill, Dundrum
* Brooks, Maurice, M.P., 9, Lower Fitzwilliam-street
70 * Brooks, M., jun., Gresham-terrace, Kingstown
* Browne, R. C., Viewmount, Carlow
* Browne, Hugh, Oakland, Rathgar
Browne, Robert, M.D., 64, Rathmines-road
Brown, Vere Ward, Oakland Villas, Rathgar
75 Browne, Mrs., 6, Fitzwilliam-square
Brunker, James E., Rostellan, Temple-road, Rathmines
Burke, Edward F., 20, Merrion-square, north
* Burke, T. H., Under-Secretary, Dublin Castle
Burke, William, M.D., 22, Rutland-square
80 Burke, William, 1, Clanwilliam-place
* Burke, Sir Bernard (Ulster), Dublin Castle
* Burton, Decimus, F.R.S., 37, Gloucester Gardens, Bayswater, London
Burns, Gilbert, Mary-street, and Knockmaroon Lodge, Chapelizod
Busby, Alphonso, 4, Burlington-road
85 Bussell, Henry, St. Leonard's, Avoca-avenue, Blackrock
Butler, E., Hollywood, Dundrum
* Butler, Lord James, 18, Rutland-square, north
Callwell, Nathaniel, 39, Fitzwilliam-place
Cameron, C. A., M.D., Pembroke-road
90 Campbell, Alderman, Mountjoy-square
Cannon, Edward, Kenilworth-square, Rathgar
Carleton, James Crichton, 62, Northumberland-road
* Carlingford, Right Hon. Lord, Carlton Gardens, London
* Carpenter, Arundel, 125, Leinster-road
95 Carroll, Coote Alex., Boston Spa, Tadcaster, Yorkshire
* Carson, Rev. Joseph, D.D., F.T.C.D., Trinity College
Carte, Alexander, M.D., Royal Dublin Society
* Carte, William, M.D., J.P., Royal Hospital
* Carte, William Alex., Military-road
100 Cassidy, John W., 50, Upper Mount-street
* Cavendish, Lord Edward, Devonshire house, Piccadilly, London

Chambre, John, 45, Mountjoy-square
✠ Charlemont, Right Hon. the Earl of, Roxborough, Moy
Chatterton, Right Hon. the Vice-Chancellor, Newpark, Newtown Park-avenue, Blackrock
105 Clibborn, James, Woodville, Sandford
Cloncurry, Lady, Maretimo, Blackrock
✠ Close, H. W., Bank, Henry-street
✠ Close, S. H., Bank, Henry-street
Close, Rev. M. H., 40, Lower Baggot-street
110 Colles, G. C., 8, Kildare-street
Colles, William, M.D., 21, St. Stephen's-green
Collins, Thomas, M.D., 48, William-street
Colville, James C., Bachelor's-walk
✠ Connor, John, Anatomical Museum, Trinity College
115 Copland, Charles, Royal Bank
Copland, J. W., Northumberland-road
Corbet, Daniel, 12, Clare-street
Corcoran, James P., Kingstown, Rochestown-avenue
Corley, A. H., M.D.. 30, Baggot-street
120 ✠ Cornwall, Gustavus, 17, Harcourt-street
✠ Cornwall, Robert, 36, Rutland-square
✠ Corrigan, Sir Dominic, Bart., 4, Merrion-square, west
✠ Corrigan, William J., 25, Upper Fitzwilliam-street
Cosgrave, W. A., 70, Eccles-street
125 Cotton, Charles P., C.E., 11, Lower Pembroke-street
Courtney, William M'Donnell, 4, Prince Patrick-terrace, North Circular-road
✠ Cowper, Henry A., 29, Fitzwilliam-place
Crampton, Sir John, Bart., Bushy Park, Enniskerry
✠ Creed, James, M.D., Assistant-Surgeon, 2nd Battalion 20th Regiment, 176, Rathgar-road
130 Cruise, Francis R., M.D., 3, Merrion-square, west
Cryan, Robert, M.D., 54, Rutland-square
✠ Cusack, Sir Ralph S., J.P., 24, Rutland-square, north
Dames, T. F. Longworth, Q.C., 21, Herbert-street
D'Arcy, Matthew P., 6, Merrion-square, east
135 Dawson, Charles, St. Michael's, Dalkey

Doherty, W. Izod, M.D., 21, Westland-row
D'Olier, Edmund, 38, Fitzwilliam-place
* Dowse, Richard, Right Hon. Baron, 38, Mountjoy-sq.
Drumm, Thomas, 4, Sackville-place, and 7, Sandford-ave.
140 Drury, John G., Dartry, Upper Rathmines
DuBedat, Francis F., 2, Foster-place
DuBedat, John, 45, Pembroke-road
DuBedat, W. G., Ailesbury-road, Merrion
Dudgeon, H. James, 113, Grafton-street
145 Duffey, G. F., M.D., 30, Fitzwilliam-place
Dufferin, His Excellency the Earl of, Clandeboye, County Down
* Dunally, Dowager Lady, Belgrave-square, Monkstown
Dunn, D. B., D.D., 4, Clanwilliam-place
* Dunnill, Benjamin, 1, Clifton-place, Monkstown
150 Dwyer, Henry, Dornden, Booterstown
Edmundson, Joshua W., Capel-street
Edmundson, John W., Capel-street
* Ellis, George, M.D., 91, Leeson-street
Elrington, J. F., LL.D., 24, Fitzwilliam-street, upper
155 Enniskillen, Right Hon. Earl of, Florence-court
* Evatt, Robert B., D.L., Mount Louise, Monaghan
* Farquharson, Robert, Munster Bank, Dame-street
* Farrell, E. Walter, 3, Merrion-square, east
* Farrell, James, 3, Merrion-square, east
160 * Faulkiner, Bolton W., late Captain 95th Regt., Pau, South of France
Fennell, Joshua G., 7, Longford-place, Monkstown
Ferguson, Andrew, 23, Wellington-road
Ferguson, John R., A.M., M.B., 20, Sherrard-st., upper
Fetherston, S. H. Radcliffe, 17, Eccles-street
165 * Findlater, Adam S., The Slopes, Kingstown
* Findlater, John, Melbeach, Monkstown, co. Dublin
* Findlater, William, 22, Fitzwilliam-square
Fitzgerald, Right Hon. Mr. Justice, Merrion-sq., east
* Fitzgerald, Thomas, 22, Fitzwilliam-place
170 * Fitzgibbon, Gerald, Q.C., 10, Merrion-square, north

Fitzgibbon, Henry, M.D., 18, Lower Fitzwilliam-street
Fitzsimon, Francis, 15, Bridgefoot-street
Flanagan, Right Hon. Stephen Woulfe, Judge, Landed Estates Court, 20, Fitzwilliam-place
Foot, Arthur Wynne, M.D., 49, Leeson-street
175 * Forrest, J. K., M.D., 13, Clare-street
Forrest, James, Grafton-street
Forster, John, St. Mary's, Temple-road, Rathmines
Fottrell, Edward, J.P., 46, Fleet-street
Fottrell, George, jun., 8, Great George's-street, north
180 Fox, M., M.D., 11, Blackhall-street
Gage, Thomas Baillie, 38, Northumberland-road
Galbraith, Rev. Joseph A., F.T.C., Trinity College
Gallagher, F., 151, Rathmines-road
* Garstin, J. Ribton, Braganstown, Castlebellingham
185 Gerrard, Thomas, 11, Oakland Villas, Rathgar
Gibson, Edward, M.P., 23, Fitzwilliam-square
Gill, Henry Joseph, Eccles-street
Goodbody, Jonatham, jun., 43, Dame-street
Goodbody, Robert, 43, Raglan-road
190 Gordon, Samuel, M.B., 13, Hume-street
* Granard, Right Hon. Earl of, Castleforbes, county Longford
Grattan, Dr. Richard, Drummin House, Carbury, Enfield, co. Kildare
Grace, Major Percy Raymond, 8, Merrion-square, north
Gray, Rev. Thomas T., F.T.C.D., 11, Upper Temple-st.
195 Gray, E. Dwyer, M.P., Prince's-street
* Green, John M., Fernbank, Dundrum
Green, William, 30, Upper Sackville-street
Greene, Thomas, 49, Stephen's-green
* Greer, Thomas, J.P., Bushy Park, Terenure
200 * Greer, A. J.
* Gregory, Right Hon. W. H., Governor of Ceylon, Coole Park, Gort
Griffin, John, 5, Foster-place, and 29, Leinster-road, Rathmines

✠ Guinness, Sir A. E., Bart., M.P., St. Anne's, Clontarf
✠ Guinness, The Lady Olive, St. Anne's, Clontarf
205 ✠ Guinness, Edward Cecil, St. Stephen's-green
Hackett, Major W. W., 34, Leeson-park
Hamerton, J. Tayler, 5, Ailesbury-road, Merrion
Hamilton, J. T., M.D., Brighton-terrace, Monkstown
Hamilton, C. W., Hamwood House, Dunboyne
210 Hamilton, Edward, M.D. 120, St. Stephen's-green
✠ Hamilton, Ion Trant, M.P., Abbotstown
✠ Hamilton, Miss Sydney, 5, Victoria-terrace, Clontarf
Harden, Benjamin, 12, Eden-quay
✠ Harmon, Mrs. Inchicore
215 Harris, A. W., Alderman, 12, Wellington-road
✠ Hartington, Most Hon. the Marquess of, 78, Piccadilly, London
Harvey, Reuben, M.B., 7, Upper Merrion-street
✠ Haughton, Rev. Samuel, M.D,, F.R.S., 31, Upper Baggot-street
Hayden, Thomas, M.D., 18, Merrion-square, north
220 Hayes, Major, Greenwood, Blackrock, and 12, Ely-place
Head, Henry, M.D., 7, Fitzwilliam-square
✠ Henry, Mitchell, M.P., Kylemore, Galway
✠ Henry, F. H., Park-lodge, Straffan, co. Kildare
✠ Henshaw, Alfred, Hatherton, Rathmines
225 Heron, Denis Caulfeild, Q.C., 7, Upper Fitzwilliam-street
✠ Hime, Maurice, M.A., Foyle College, Londonderry
Hodges, John, 16, Westmoreland-street
✠ Hodson, R. A,, Hollybrook, Bray
Hogg, Jonathan, Craigemore, Blackrock
230 Hogg, P. Thomas, 12, Cope-street
Hone, Brindley, Vevay House, Ballybrack
✠ Hone, Nathaniel, St. Doulough's Park
Houston, Arthur, LL.D., 50, Fitzwilliam-square, west
✠ Hudson, Alfred, M.D., 2, Merrion-square, north
235 Hudson, Edward, 55, Pembroke-road
Hughes, James S., M.D,, 1, Merrion-square, west

Hull, Edward, M.A., Director of the Geological Survey, Ireland, 5, Raglan-road
* Hutton, Thomas Maxwell, J.P., 118, Summerhill
* Hutton, Mrs. Thomas Maxwell, 118, Summerhill
240 * Hutton, Lucius O., 8, Fitzwilliam-place
* Hyland, James K,, 13, Rutland-square, east
Ilbery, George E., St. John's, Island-bridge
Ingram, J. Kells, LL.D., F.T.C.D., 2, Wellington-road
Irvine, Hans, M.B., Sackville-street Club
245 Jackson, Surgeon-Major R. W., C.B., Royal Infirmary, Phœnix Park
* Jacob, Archibald H., M.D., 23 Ely-place
Jameson, Henry, Hermitage, Roebuck
* Jameson, James, Airfield, Donnybrook
* Jameson, John, St. Marnock's, Malahide
250 * Jameson, William, Montrose, Donnybrook
Jellett, Hewett Poole, Q.C., Upper Pembroke-street
Jellett, Rev. J. H., F.T.C.D., 64, Lower Leeson-street
John, George Andrews, 6, Foster-place
Johnston, John B., 8, Clyde-road
255 * Johnston, Maziere, 2, Knapton-road, Kingstown
Johnston, George, M.D., 15, St. Stephen's-green, south
* Jones, John, 6, Dawson-street
Jones, Thomas Alfred, 9, Upper Mount-street
Jury, H., 7, College-green
260 Kane, John, Leeson-park House
* Kane, Sir Robert, F.R.S., Fortlands, Killiney
* Kavanagh, Arthur, M.P., Borris House, Carlow
Kelly, Thomas L., Lower Gardiner-street
Kelly, Charles, Q.C., 34, Fitzwilliam-square
265 * Kelly, Richard W., Cope-street
Kelly, Thomas A., 5, Vesey-place, Kingstown
* Kennedy, Evory, M.D., Belgard, Clondalkin
Kennedy, Henry, M.D., Rutland-square
Kenny, Joseph E., M.D., 71, Lower Gardiner-street
270 * Kenny, Matthias, 3, Clifton-terrace, Monkstown
Kidd, George H., M.D., 30, Merrion-square, south

* Kildare, The Most Noble the Marquess of, Carton, Maynooth
Kinahan, George, Roebuck-park, Dundrum
Kinahan, Edward H., D.L., 11, Merrion-square, north
275 Kinahan, Thomas W., 10, Waterloo-road
* King, Charles Croker, M.D., 34, Upper Fitzwilliam-st.
Kirkpatrick, J. Rutherford, M.B., 4, Upper Merrion-st.
Knox, Charles, Creagh, Ballinrobe
* Lacy, Miss Frances, Inchicore Lodge
280 * Lalor, John J., 125, Stephen's-green
* Lalor, Mrs., 125, Stephen's-green
Lane, Hugh, J.P., 13, Mountjoy-square
* Larcom, Major-General Sir Thomas, K.C.B., Heathfield, Farnham, Hants
* Latouche, J. W., 27, Bloomfield-avenue
285 Latouche, William Digges, 34, Stephen's-green, north
Lawson, Right Hon. Mr. Justice, 27, Upper Fitzwilliam-street
Lee, Robert C., 12, Upper Merrion-street
Le Fanu, William R., Summerhill, Enniskerry
* Leinster, His Grace the Duke of, Carton, Maynooth
290 Lentaigne, John, D L., C.B., 1, Great Denmark-street
* Lentaigne, Joseph Nugent, J.P., 1, Great Denmark-st
Lewis, George Wilson, 73, Lower Gardiner-street
Little, James, M.D., 14, Stephen's-green
Little, T. E., M.D., 42, Great Brunswick-street
295 Littledale, William F., 9, Ormond-quay
Lloyd, Rev. Humphrey, D.D., Provost of Trinity College
Lombard, James FitzGerald, J.P., South-hill, Rathmines
Lowe, Francis, 35, College-green
* Lurgan, Right Hon. Lord, Brownlow House, Lurgan
300 Lyle, James Acheson, 13, Pembroke-road
* Lynch, Nicholas, 20, Wicklow-street
* Lyons, Robert D., M.B., 8, Merrion-square, west
* Lyttle, Rev. Thomas, 54, Tritonville-road, Sandymount
M'Cay, William, F.T.C., Trinity College

305 M'Cann, James, J.P., Simmonscourt, Donnybrook
* Macrory, A. J., Duncairn, Belfast
Macalister, Alexander, M.D., 15, Palmerston-road
* Macartney, J. W. Ellison, M.P., The Palace, Clogher, county Tyrone
Macan, Arthur V., M.B., 19, Lower Mount-street, and 29, Lower Baggot-street
310 * M'Crea, Edward D., 50, William-street
M'Curdy, John, 10, Leinster-street
M'Cullagh, Andrew, 25, Mountjoy-square, and New Court, Bray
* MacDonnell, Alexander, C.E., St. John's, Island-bridge
MacDonnell, John, M.D., Upper Fitzwilliam-street
315 * MacDonnell, James, 32, Upper Fitzwilliam-street
* MacDonnell, Robert, M.D., F.R.S., 14, Lower Pembroke-street
MacDonnell, Luke, 4, Merrion-square, east
M'Dermott, Alfred, 43, Fitzwilliam-square
* M'Dowell, Benjamin George, M.D., 5, Merrion-square, south
320 McDowell, B. F., Esq,, 29, York-street
Mackey, James Vokes, J.P,, 19, Merrion-square, south
Macken, James, jun., 2, St. James's-terrace, Clonskeagh
M'Kee, Rev. T. A,, 79, Stephen's-green
McKee, Rev. David, 6, St. John's-terrace, North Circular-road
325 M'Kerlie, Colonel, Custom House
* McMaster, George, M.A., J.P., Simmonscourt-avenue, Donnybrook
MacSwiney, Stephen M., M.D., 1, Hume-street
* Madden, Thomas Walter, Surgeon, 18, Westland-row
Malone, Laurence, 7, Ely-place
330 * Malone, Mrs. O'Connor, Bowenstown, Mullingar
Manly, Joseph, 43, Pembroke-road
Manders, Richard, Brackenstown House, Swords
* Mapother, E. D., M.D., 6, Merrion-square, north

Martin, Charles, 12, Fitzwilliam-place
335 Martin, James, 26, Fitzwilliam-square
* Martin, Richard, 7, Merrion-square, south
Martin, Thomas, North-wall
Mason, Thomas P., M.D., 92, Harcourt-street
Mathews, Jehu, 32, Lower Ormond-quay
340 May, Right Hon. Lord Chief Justice, 13, Fitzwilliam-square
Megaw, W., 1, Crampton-quay, and 9, Mountjoy-place
Meldon, Charles H., M.P., Newtown House, Blackrock, and 25, Rutland-square
Millar, J. M., Monkstown
Milliner, J. K., Cherbury, Blackrock
345 Mitchell, George, 20, Lower Sackville-street
Mitchell, William, Lisdoogan, Monaghan
Molloy, Arthur, 18, Eustace-street
* Molloy, Very Rev. Dr., Catholic University, St. Stephen's-green, south
* Molyneux, Sir Capel, Bart., Castle Dillon, Armagh
350 * Monck, Right Hon. Viscount, Charleville, Bray
* Monteagle, Right Hon. Lord, Mount Trenchard, Foynes
Montgomery, Robert John, 50, Grosvenor-square, Rathmines
* Moore, Robert H., F.R.C.S.I., 29, Upper Merrion-street
Moore, Thomas J., Director, Museum, Liverpool
355 Moore, William F., Kenilworth-terrace, Rathgar
Moran, Edward, M.D., 12, Talbot-street
* Morrogh, Leonard, 5, Great Denmark-street
Moses, Marcus, Rathley, Ballybrack
Murland, James W., 25, Fitzwilliam-square
360 Murphy, Michael, 17, Eden-quay
Murphy, William, 7, Rostrevor-terrace, Orwell-road, Rathgar
Murray, Herbert H., Beech Hill, Donnybrook
Murray, J. Marshal, 24, College-green
* Napier, Right Hon. Sir Joseph, Bart., Merrion-square
365 * Neilson, James, 104, Middle Abbey-street

* Nesbitt, Miss, Leixlip House, Leixlip
Nolan, Edward, 24, Nassau-street
Nolan, Henry P., M.D., Lower Baggot-street
Nolan, William, 24, Nassau-street
370 Norman, Francis, 16, Granby-row
Nugent, John, M.D., 14, Rutland-square
O'Brien, Hon. Mr. Justice, 92, St. Stephen's-green
* O'Brien, Edward William, Cahirmoyle, Newcastle West
O'Brien, Peter, Barrister, 13, Herbert-place
375 * O'Brien, Miss Charlotte, Caihrmoyle, Ardagh, county Limerick
O'Donnell, James, Eustace-street
* O'Ferrall, James, 3, Gresham-terrace, Kingstown
O'Hagan, John, Q.C., 22, Upper Fitzwilliam-street
O'Hagan, Right Hon. Lord, 34, Rutland-square
380 O'Leary, W. H., M.D., M.P,, 1, Merrion-square, north
O'Keefe, Dixon C., Stephen's-green Club
Oldham, Eldred, 12, Westmoreland-street
* Ormond, Most Hon. Marquess of, Kilkenny Castle
Ormsby, Lambert Hepenstall, M.D., 12, Lower Fitzwilliam-street
385 * O'Rorke, Hugh, 4, Breffni-terrace, Sandycove
* Palgrave, Charles, 17, Eden-quay
Palmer, Sir Roger, Bart., Kenure Park, Rush
Panton, Arthur, F.T.C., Trinity College
* Parker, Alexander, 46, Rathmines-terrace
390 Parker, John Henry, Danesfort, Clontarf
Patterson, James, 20, Elgin-road
Pattison, Henry, Druid Lodge, Loughlinstown
Patton, A., M.D., Farnham House, Finglas
* Peebles, Robert W., 9, North Frederick-street
395 * Peebles, William E., 9, North Frederick-street
Peele, Edward, M.D., 41, Lower Baggot-street
* Perceval, Charles, M.D., 5, Wilton-terrace
Perrin, Mark, Knockdromin, Rush
Perry, James, Dean's Grange, Monkstown
400 Pigot, D. R., 12, Leeson-park

Pigot, J. E., Mrs., 14, Fitzwilliam-place
Pilkington, H. W., 8, Rutland-square
Pim, Frederick W., 4, Richmond-hill, Monkstown
Pim, Richard, 4, Queen's Park, Monkstown
405 Pim, George, Brenanstown, Cabinteely
Pim, Greenwood, Esq., Easton Lodge, Monkstown
Pim, J. Lister, 22, William-street
Pim, Henry, 62, Lower Baggot-street
Pim, Jonathan, William-street
410 Pim, Joseph Todhunter, Greenbank, Monkstown
Pim, Thomas, William-street
Pim, Thomas, jun., William-street
Pim, James, jun., Charlemont, Foxrock, and 11, Burgh-quay
Poole, Rev. Hewitt R., F.T.C.D., 15, Lower Fitzwilliam-street
415 * Porter, George H., M.D., 3, Merrion-square, north
Power, Sir Alfred, K.C.B., 35, Raglan-road
* Powerscourt, Right Hon, Viscount, Powerscourt, Enniskerry
Proud, Nicholas, Leconsfield, Glenageary
Quain, John, 49, Pembroke-road
420 * Rathborne, John G., Dunsinea, Phœnix Park
Reeves, Robert, 5, Fitzwilliam-place
Reeves, Richard S., 17, Merrion-square, east
Reeves, Robert, Barrister, 3, Upper Ely-place
Reside, William, 21, College-green
425 * Riall, Mrs. Arthur, Chantilly, Loughlinstown
Rigby, John, 24, Suffolk-street,
Roberts, S. U., C.E., 6, Burlington-road
* Robertson, C. John, M.D., District Asylum, Monaghan
Robertson, William, Fitzwilliam-square
430 Robinson, T. J., 21, College-green
Robinson, William Henry, 100, Pembroke-road
* Roe, Henry, Mount Anville Park, Dundrum
* Rowley, Captain Thomas Taylor
Ryan, T. E , 70, Abbey-street

435 Salmon, Rev. Dr., F.T.C.D., 81, Wellington-road
Sanger, Thomas H., Belgrave-square, Monkstown
Savage, Mrs., 25, Fitzwilliam-square, south
Scott, Francis M., J.P., Island-bridge house
Scott, Charles M., M.D., Tower-hill, Dalkey
440 ✠ Scriven, W. B., M.D., 33, St. Stephen's-green
✠ Shackleton, Joseph F., Anna Liffey Mills, Lucan
✠ Shackleton, Abraham, Clonbrone, Temple-road, Rath mines
✠ Shirley, Evelyn J., D.L., Carrickmacross
Sigerson, George, M.D , 3, Clare-street
445 Simmons, James S., 21, Bachelor's-walk
Sinclair, Edward B., M.D., 45, Upper Sackville-street
✠ Sligo, Most Hon. the Marquess of, Westport House, Westport
✠ Smith, Aquilla, M.D., 121, Lower Baggot-street
✠ Smith, Walter G., M.D., 34, Lower Baggot-street
450 ✠ Smyth, Edward Webber, 7, St. Stephen's-green
✠ Smyth, Robert William, 3, Seaview-terrace, Donnybrook
Smyly, P. Crampton, M.D., 4, Merrion-square, north
Smyth, George, 81, Pembroke-road
Speedy, Albert O., M.D., 28, North Frederick-street
455 ✠ Spottiswode, Lieutenant Colonel A.
✠ Stanley, H. R., M.D., Malahide
✠ Staunton, C. F., M.D.
Stein, Mrs., 49, Raglan-road
Stein, R. W., 49, Raglan-road
460 ✠ Stewart, Henry H., M.D., Lucan
✠ Stewart, Alexander J. R., D.L., J.P., Ards House, County Donegal
Stoker, E. A., M.B., 49, Rutland-square, west
✠ Stoker, William Thornley, M.D., 16, Harcourt-street
✠ Stokes, F., J.P., Commercial Buildings, Dame-street
465 ✠ Stokes, William, M.D., 5, Merrion-square, north
✠ Stoney, Bindon, C.E., 42, Wellington-road
Stoney, Loftie, M.D., 89, Lower Baggot-street
✠ Sugrue, Charles, I. H., 4, Belvedere-place

* Sullivan, A. M., M.P., House of Commons, London
470 Sullivan, E., Right Hon. the Master of the Rolls, Fitzwilliam-place
* Sullivan, W. K., Queen's College, Cork
Swanzy, H. R., M.D., Merrion-square
Swanzy, John, 12, Waterloo-road
Sweetman, Patrick, 23, Francis-street
475 Sweetman, Walter, 4, Mountjoy-square, north
Sykes, George, 34, Dame-street
* Talbot de Malahide, Right Hon. Lord, The Castle, Malahide
* Taylor, Moses, Morristown, Newbridge
Taylor, Thomas H., 36, Wellington-road
480 * Tickell, George, 18, Mary-street
* Tighe, The Right Hon. W. F., Woodstock, Innistiogue
* Thom, Alexander, Middle Abbey-street
* Thompson, H. Yates, Ennismore Gardens, Prince's Gate, London
Thompson, Henry, 13, Fitzwilliam-place
485 Todhunter, Joshua E., 116, Lower Baggot-street
* Toole, Charles, D'Olier-street
Torney, Thomas, M.D., 8, Blackhall-street
* Townsend, Charles Uniacke, 10, Burlington-road
* Traill, Anthony, LL.D., F.T.C.D., 6, Frederick-street, north
490 Trench, Hon. C., 6, Merrion-square, south
Turbett, Robert E., 3, Bachelor's-walk
Tweedy, Henry, M.D., 16, Rutland-square
* Tyrrell, James, Kildare-street
Vance, Thomas, 9, Bridge-street
495 * Vandeleur, Colonel C. Moore, Kilrush House, Kilrush
* Vigors, H. M.
Wade, Robert, M.D., 208, Great Brunswick-street
Waller, Edmund W., Brewery, James's-gate, and The Laurels, New Kilmainham
Walpole, George, 8 Suffolk-street
500 Walpole, Edward, jun., 8, Suffolk-street

✠ Warren, Robert, J.P., 40, Rutland-square
Waterhouse, Samuel, 25, Dame-street
Watson, Henry Stewart, 13, Vesey-place, Kingstown
✠ West, George Aug., Altadore, Blackrock
505 Westropp, W. H. Stackpoole, Lisdoonvarna
✠ Whyte, William, George's-hill, Balbriggan
✠ Whitty, John Irwin, LL.D., 94, Lower Baggot-street
Wigham, Henry, 33, Capel-street
Wigham, J. R., Albany House, Monkstown
510 Wilson, Major, R.E., Ordnance Survey, Mountjoy, Phœnix Park
✠ Williams, J. E., R.A.
Williams, R. P., 38, Dame-street
Wilson, George Orr, Dunardagh, Blackrock
✠ Wilson, John
515 Wilson, Joseph, D.L., Westbury, Stillorgan
Wilson, James, LL.B., 65, Fitzwilliam-square, north
Wilson, Thomas, 65, Fitzwilliam-square, north
Winstanley, James, 23, Park avenue, Sandymount
Woodlock, Joseph, 42, Dame-street
520 Woodlock, T., 42, Dame-street
Woodlock, William, 15, Mountjoy-square
✠ Woods, H. Hamilton, J.P., Whitestone House, Balbriggan
✠ Wright, Joseph, Edenvale, Conyngham-road
Wybrants, William Geale, Four Courts
525 Wynyard, Colonel H. B., Royal Hib. Military School, Phœnix Park
✠ Yeates, Stephen, 2, Grafton-street
Young, Robert F., 34B, College-green

GARDEN SUBSCRIBERS.

Aitken, William, 106, Salem House, Rathmines
Anderson, Samuel Lee, 74, Lower Baggot-street
Andrews, G., 94, Lower Leeson-street
Armstrong, Richard, First Sergeant-at-Law, 32, Stephen's-green
5 Ashlin, George C., Architect, 90, Stephen's-green, south
Atkinson, Richard W., 130, Sandford-road, Ranelagh
Baird, James A., 11, Usher's-Island
Barnes, Edwin, Cabra-terrace, Phibsborough
Barrington, Philip Sydney, Ballyman, Bray
10 Bayley, Kennett, 64, Eccles-street
Beare, G. H., Phœnix Glen Lodge, Conyngham-road
Benson, C., A.M., M.D., 42, Fitzwilliam-square, west
Black, Gibson, Blackheath, Clontarf
Boyd, Walter, LL.D., 22, Merrion-square, south
15 Brown, Walter, 52, Lansdowne-road
Browne, Rev. D., 47, Raglan-road
Bruce, William R., Barrister, 31, Upper Merrion-street
Brunton, William, Montrose, Cabra-road
Bryson, Mrs., 1, Prince Patrick-terrace, North Circular-road
20 Burke, Captain John, 3, Eblana-terrace, North Circular-road
Bury, Francis, 35, Belvidere-place
Bury, John, 30, Gardiner's-place
Bush, Charles Percy, 43, Leeson-park
Campbell, Henry, 4, Gardiner's-place
25 Carpenter, Arundel, 125, Leinster-road, Rathmines
Chandler, Richard S., Kenilworth-square, Rathgar
Chermside, Mrs., 17, Wellington-place
Clifton, Ralph, Anchor Brewery, Usher-street
Connor, Rev. Richard J. M., F.T.C.D., 63, Lower Leeson-street

30 Connolly, Albert, 6, Cumberland-place, North Circular-road
Creek, Captain E. Stanley, Royal Barracks
Daniel, William, 8, Sorrento-terrace, Dalkey
Davoren, A. Vesey, Lieutenant-Colonel, 4, Seaview terrace, Donnybrook
Dawson, Rev. F., 74, Lower Leeson-street
35 Deane, Robert Hugh C., James's-gate, Brewery
Delmege, Mrs., 36, Fitzwilliam-square, west
Dickinson, Rev. John A., Steevens' Hospital
Dixon, Joseph F., 151, Thomas-street
Doolan, H. J., 1, Grosvenor.square, Rathmines
40 Donnelly, Joseph, Everton, Cabragh
Duncan, John, Commandant, R.I.C., Phœnix-park
Dunne, Patrick, 3, Loch Lomond-terrace, North Circular-road
Dunphy, Thomas, 161, Phibsborough-road
Edmundson, Mrs., Foxrock
45 Elvery, J. W., 31, Kenilworth-square, Rathgar
Falls, Thomas, Solicitor, 9, Waterloo-road
Franklin, William, 12, Conyngham-road
Frazer, John F., 4, Eblana-terrce
Fitzgerald, George Francis, F.T.C.D., 40, Trinity College
50 Fitzgerald, George William, Henrietta-terrace, Dalkey
Flemming, Becher P., Rush House, Rush
Foot, Charles, 17, Brookfield-terrace, Donnybrook
Forde, William, 8, Burlington-road
French, John R., Solicitor, 24, Burlington-road
55 Furlong, Thomas, Anchor Brewery, 26, Bridgefoot-street
Gamble, R. Wilson, 51, Fitzwilliam-square
Garland, Edward, 9, Belfast-terrace
George, Captain D'Olier, 7th Dragoon Guards, 9, Wodehouse-terrace, North Circular-road
Gibbons, Peter, 46, Lower Dominick-street
60 Glyn, Major-General, C.B., Royal Barracks

Gore, Hugh, Raveagh Eskva, county Tyrone
Gowans, David, 6, Sackville-street, Lower
Grahl, Henry, 28, Leinster-square, Rathmines
Greer, George, 11, Rathmines-road
65 Halligan, John, Usher's Island
Haines, Humphrey, Arnott Lodge, Arnott-street
Harman, E. B., Colonel, D.A.G., Royal Hospital
Hart, George Vaughan, Barrister, 5, Blessington-street
Haughton, Wilfred, 15, Northumberland-road
70 Hayes, Miss, 5, Belfast-terrace, North Circular-road
Hillas, Robert William, J.P., Farm-hill, Dundrum
Hobart, R. T., Shelbourne
Hopkins, Nicholas, 80, Grafton-street
Howlin, James, 8, Upper Leeson-street
75 Hunt, Henry Frederick, Eaton-villa, 73, Strand-road, Sandymount
Hurford, James, 19, Montpelier-hill
Jacob, Robert S., 26, Merchant's-quay
Johnston, Dr., 3, Lorne-terrace, North Circular-road
Johnston, Captain, United Service Club
80 Jones, Percival, 11, Eblana-terrace, North Circular-road
Jones, Alfred G., 43, Stephen's-green, east
Kane, John Keymer, Phibsborough House
Kennedy, Alexander D., 67, Upper Sackville-street
Kennedy, J. M., 37, Belvidere-place
85 Kenney, Charles, 14, Upper Temple-street
Kernan, Mrs., 75, Lower Leeson-street
Kiddle, Captain, R.N., 70, Leeson-street, upper
Knapp, William S., Wellington-lodge, Kingstown
Lawless, Edmund, M.D., St. Patrick's Hospital
90 Ledwidge, M., Prospect House, Crumlin
Leonard, Thomas, 5, Merrion-square, east
Lewis, Mrs., 2, Victoria-terrace, North Circular-road
Lube, William Francis, 30, Mountjoy-square
Lynch, Mrs., 27, Merrion-square, south

95 Macrory, Robert J. Turnley, 31, Rutland-square, west
McConchy, Andrew, Barrister, 5, Upper Gardiner-street
McDonnel, Richard, 31, Merrion-square, south
M'Gill, Capt. and Adjutant, Royal Hospital
M'Neigh, H. G., 1, Lorne-terrace, North Circular-road
100 Mack, John H., 25, North Frederick-street
Manley, Joseph, 12, Sackville-street
Martley, John, Barrister, 25, Hatch-street
Maxwell, Joseph A., 63, Upper Sackville-street
Meade, Robert, 3, Burlington-road
105 Meath, Right Hon. Earl of, Kilruddery, Bray
Meldon, James D., 24, Merrion-square, north
Merry, James, St. Michael's, Booterstown
Millea, Edward, 25, Parkgate-street
Millar, Richard C., C.E., 2, Eaton-place, Monkstown
110 Molloy, John J. D., 55, Harcourt-street
Montgomery, Captain Robert J., Hollybank, Drumcondra
Mooney, Mathew, 131, Leinster-road, Rathmines
Mooney, William, Solicitor, 66, Eccles-street
Morris, Right Honorable Chief Justice, 22, Lower Fitzwilliam-street
115 Morrison, Henry, Purbeck-lodge, Monkstown
Moore, William M., 17, Waterloo-road
Moss, Richard J., F.T.C.D., 66, Kenilworth-square, Rathgar
Murphy, Henry, 31, Montpelier-hill
Murphy, Michael, Parkgate-street
120 Murphy, John Henry, Richmond-view House, New Kilmainham
Nash, Francis Herbert, A.M., 9, Synnott-place
Nedley, Thomas, M.D., Cavendish-row
Neilson, Mrs., 2, Lorne-terrace, North Circular-road
Newman, Miss, 61, Lower Baggot-street
125 Nicolls, Archibald J., 36, Eccles-street

O'Brien, M. J., M.D., Rathmines-road
O'Brien, Timothy, Ailesbury House, Merrion
O'Dougherty, John, 5, Upper Gardiner-street
O'Hagan, John, Solicitor, 9, Harcourt-street
130 O'Keefe, Edward, 3, Mill-street
O'Neill, Mrs., 1, Leinster-lodge, Rathmines
O'Reilly, Joseph R., Sans Souci, Booterstown
Orpen, John H., LL.D., 58, St. Stephen's-green, east
Perrin, Richard, 50, Sackville-street, lower
135 Phipps, George, 2, Park-place, Island-bridge
Pollock, M. J., Stillorgan
Powell, John G., 12, William-street
Ralph, Charles, 7, Henrietta-street
Roper, William, Barrister, J.P., 17, Upper Mount-street
140 Sadlier, Edmund, 14, Upper Merrion-street
Scott, William, 2, Lower Sackville-street
Seeds, Robert, Q.C., 52, Rutland-square
Shaw, Charles, 1, Victoria-terrace, North Circular-road
Sherlock, David, 71, Lower Leeson-street
145 Smith, John Leigh, 13, Phibsborough-avenue
Smith, Mrs., 3, Cabra-terrace
Smyth, P. J., 59, Blessington-street
Spring, Mrs., 65, Eccles-street
Spunner, Mrs., 49, Wellington-place, Clyde-road
150 Stewart, James Augustus, 98, Lower Baggot-street
Story, John B., M.D., 24, Lower Baggot-street
Stuart, Mrs. Anne, Beechwood, Dalkey
Symms, William, 31, Dame-street
Taaffe, J. P., 7, Clifton-terrace, Monkstown
155 Thorburn, John, 8, Wodehouse-terrace, North Circular-road
Todd, James, Orwell, Rathgar
Toomey, Mrs., Parkgate-street
Toomey, W. G., Milltown-lodge, Milltown

Townshend, T. Courtney, 66, Upper Leeson-street
160 Twigg, Major, 8, North Frederick-street
Walker, William B., Chapelizod
Walker, Richard C., Solicitor, 23, Gardiner's-place
Walsh, Richard Walter, C.E., 10, South Frederick-street
Watson, Wm., 5, Lower Sackville-street
165 Weir, James, Blackrock
Williams, N., 77, Lower Leeson-street
Wilson, William Wesley, 84, James's-street
Woodroofe, James, Island Bridge
Wogan, Patrick, 51, King-street, north

BRITISH MUSEUM
NATURAL HISTORY
Presented
21 MAR. 1906

21 MAR. 1906

The Forty-eighth ANNUAL REPORT

OF

The Royal Zoological Society

OF IRELAND,

FOR THE YEAR ENDED 31ST DECEMBER, 1879.

BRITISH MUSEUM
Z S D
NATURAL HISTORY

DUBLIN:
PRINTED BY BROWNE & NOLAN, NASSAU-STREET.
1880.

Laws and Regulations

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

Chapter I.—THE CONSTITUTION.

1. The Society consists of Ordinary Members, and Honorary Members.

2. The Officers shall be chosen from amongst the Ordinary Members, and shall be—

A President,
Five Vice-Presidents,
A Secretary, and
A Treasurer,

who, together with fifteen other Ordinary Members of the Society, shall constitute the Council.

3. The Officers and Council for each year shall be elected at the Annual General Meeting of the Members of the Society.

4. But in case any Officer, or other Member of the Council, shall die or resign, the Council may appoint a member to supply his place until the next Annual Meeting.

Chapter II.—THE MEMBERS.

1. Every person wishing to become a Member of the Society must be proposed in writing to the Council by one Member of Council, and seconded by another; and upon election and payment of his admission fee, such person shall be a Member of the Society.

2. But he shall not exercise the privileges of a Member until his first year's Subscription is paid in advance.

3. The Admission Fee shall be *One Pound*, the Annual Subscription *One Pound*, and the Composition for life in lieu thereof, *Ten Pounds*.

4. The Annual Subscription shall be due on the first of January in each year, and shall be payable in advance.

5. If the Subscription of any Member is not paid within one year after it is due, he shall cease to be a Member until he shall have paid up his arrears.

6. No person becoming a Member after the first day of October in any year shall be liable for the Subscription for that year.

7. No person shall exercise the privileges of a Member until he shall have paid his Subscription for the current year.

8. Ladies may be admitted as Members upon the same terms, and with the same privileges, as gentlemen.

9. Members of the Society, and such members of their families as are *bonâ fide* resident with them, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and, in the case of Children of Members, the name of the person in charge of them being also signed.

Chapter III.—HONORARY MEMBERS.

1. Distinguished persons may be elected Honorary Members without annual or other payment, by a vote of the Society, at any of its Meetings, upon the previous recommendation of the Council.

2. Honorary Members shall have the same privileges as other Members, except that of voting at the Meetings.

3. The number of Honorary Members shall be limited to twenty.

Chapter IV.—THE OFFICERS.

The President.

1. The President shall preside at all Meetings of the Society and Council, when present, and shall generally superintend the affairs of the Society.

2. The same person shall not be President for more than five successive years.

3. Ex-Presidents shall continue to be Honorary Members of Council.

Vice-Presidents.

1. Of the five Vice-Presidents, two at least shall go out at each election, but this shall not prevent their continuing Members of Council in another capacity.

2. The Vice-Presidents shall supply the place of the President in his absence.

The Secretary.

It shall be the duty of the Secretary to see to the execution of the rules, orders, and directions of the Society and Council.

The Treasurer.

No money shall be paid by the Treasurer, except upon the written order of the Council, signed by at least three of its Members.

Chapter V.—THE COUNCIL.

1. Three Members shall form a Quorum.

2. The Council shall meet at such times as they themselves shall determine.

3. It shall be the duty of the Council to conduct the business of the Society, subject to the laws and regulations of the Society at large.

4. All questions shall be decided by the majority of voices; and where the numbers are equal, the Chairman shall have a casting voice; but he shall not vote except in such case.

5. The Council may summon a Meeting of the Society for scientific purposes whenever they think fit, stating the object of such Meeting; and at such Meeting no business but that stated in the notice shall be discussed.

6. At least three of the Council shall go out at each election.

7. No Member of the Society having any contract with the Society or Council for which payment is to be made, shall be

eligible to a seat in the Council in any capacity; and if the name of any Member of the Society having a contract with the Society, or receiving any fee or emolument from the Society, shall be found in the ballot, that name shall be set aside by the Chairman, notwithstanding any number of votes that may be appended to it; and if any Member or Officer of the Council enter into any contract with the Society, or receive from it any fee, payment, or emolument, his seat shall become, *ipso facto*, vacant in the Council, and the Council shall immediately summon a Meeting of the Society, to elect a Member to the vacant place.

Chapter VI.—ANNUAL MEETING.

The Annual Meeting shall be held on the second Tuesday in January in each year, for the purpose of electing the Council and Officers for the ensuing year, and of hearing the Report of the Council read, and auditing the accounts.

Election of Officers.

1. The Council for the time being shall annually cause to be prepared a list of persons whom they recommend to be Officers and Council for the ensuing year.

2. The list shall distinguish the three or more Members proposed to be removed, and the three or more proposed to be elected in their room, and it shall be transmitted to each Member residing in Dublin, by post, along with the notice of the time and place of the General Meeting, to be sent at least seven days before the day of meeting.

3. The Chair shall be taken at four o'clock, when the ballot shall commence and continue open for one hour, at the expiration of which time the Chairman shall proclaim that the time had arrived when the ballot should close, and order the porter not to admit any other Members into the room, and then the Chairman shall call on the Members in the room who have not balloted to come forward and ballot, and the scrutiny shall forthwith take place; and those persons to whose names the greater number of marks shall have been affixed, shall be

declared duly erected, in the order and places in which they stand, provided at least three new Members be elected, but if not, then those of the proposed Members who have the least number of marks shall be rejected, until at least three former Members are excluded, and their places shall be filled by those who have the next greatest number of marks.

4. If two or more names have the same number of marks, the order of preference shall be decided by lot.

General Business.

1. No motion respecting a change in the laws or constitution of the Society shall be discussed or voted upon at the Annual or other meeting, except as hereafter provided, unless notice thereof be given in writing to the Council, at least one month before such Meeting; the Council to give seven days' notice to the Members, as before ordered.

2. But the Council may propose, and bring to the vote, any measure or question, at any of the Meetings of the Society, provided it shall have been under their consideration for at least one month, and that notice thereof be given to the Members in the circular notice of such Meeting, at least seven days previous to the day of Meeting.

Chapter VII.—THE GARDENS.

1. Any person enrolling his name in a book kept at the gate of the gardens, and paying One Pound a year, shall be a Subscriber, and shall have the same privileges of ingress to the Gardens as a member of the Society.

2. The Council shall have the power of suspending all rights of free entrance to the Gardens upon the day of a public fete, or similar occasion, when such shall be given for the benefit of the Society.

3. During frost, the Council shall have power to suspend all privileges of Members and Garden Subscribers, except that of personal admission.

4. The Council shall have power from time to time to vary, as may seem fit to them, the rates of admission to non-subscribers.

ROYAL ZOOLOGICAL SOCIETY

OF IRELAND.

THE Forty-eighth Annual Meeting of the ROYAL ZOOLOGICAL SOCIETY OF IRELAND was held in the College of Physicians on Tuesday, 13th January, 1880.

MR. J. LENTAIGNE, D.L., PRESIDENT,
IN THE CHAIR.

REPORT OF COUNCIL.

During the year 1879 the numbers of visiters to the Gardens, and the receipts at the entrance gate, were as follows :—

ADMISSION TO ZOOLOGICAL GARDENS, 1879.

Members,			...	14,289			
Public Institutions,			...	3,698			
Visiters' Tickets,			...	1,233			
	s.	*d.*			£	*s.*	*d.*
Visiters at	5	0	...	29	7	5	0
Do. ,,	2	6	...	310	38	15	0
Do. ,,	1	0	...	10,699	534	19	0
Do. ,,	0	6	...	7,571	189	5	6
Schools ,,	0	3	...	2,774	34	13	6
Visiters ,,	0	2	...	49,689	414	1	6
Do. ,,	0	1	...	12,863	53	11	11
Books of Admission Tickets					25	10	0
				103,155	£1,298	1	5

During the preceding year (1878) the corresponding numbers and receipts were as follows :—

Members,			...	11,959				
Public Institutions,			...	3,931				
Visiters' Tickets,			...	1,882				
	s.	*d.*						
Visiters at	5	0	...	117	...	£29	5	0
Do. ,,	2	6	...	283	...	35	7	6
Do. ,,	1	0	...	13,387	...	669	7	0
Do. ,,	0	6	...	5,896	...	147	8	0
Schools ,,	0	3	...	1,484	...	18	11	0
Visiters ,,	0	2	...	57,290	...	477	8	4
Do. ,,	0	1	...	13,944	...	58	2	0
				110,173		£1,435	8	10
Books of Admission Tickets, ...						53	14	6
Garden Lectures (Alexandra College),						5	0	0
						£1,494	3	4

The total numbers of visiters and receipts at gate during the past ten years were as follows :—

Year.	Visiters.	Receipts.		
1870	151,785	£1,359	16	6
1871	167,692	1,352	0	5
1872	147,184	1,502	9	10
1873	147,762	1,450	4	3
1874	109,923	1,442	14	4
1875	104,945	1,500	4	8
1876	98,491	1,353	8	7
1877	102,416	1,367	4	10
1878	110,173	1,494	3	4
1879	103,155	1,298	1	5

During the corresponding years the total receipts from Entrance Fees and Subscriptions were as follows :—

Year.				Entrance Fees and Subscriptions.
1870	...	...	...	£378
1871	...	...	...	435
1872	...	...	...	496
1873	...	...	...	404
1874	...	..	...	610
1875	...	...	...	429
1876	...	...	...	448
1877	...	...	...	595
1878	...	...	...	580
1879	...	...	...	551

The sums expended in the purchase of Animals during the last ten years were as follows :—

Year				£	s.	d.
1870	...	...	...	435	6	6
1871	...	...	...	351	13	8
1872	...	...	...	416	6	11
1873	...	...	...	143	0	0
1874	...	...	...	234	18	9
1875	...	...	...	107	6	4
1876	...	...	...	185	4	5
1877	...	...	...	180	4	6
1878	...	...	...	202	5	11
1879	...	...	...	307	4	2

The promenades of May, June, and July, were continued in 1879.

The numbers of members and visiters on the promenade days of the last ten years were as follows :—

Year.	Members.	Visiters.	Total.	Receipts.		
1870	986	3,633	4,619	£88	3	6
1871	2,039	4,193	6,223	104	16	6
1872	1,488	2,710	4,198	135	10	0
1873	1,738	2,075	3,813	99	5	0
1874	1,814	1,741	3,555	86	2	6
1875	1,390	1,572	2,962	78	12	0
1876	1,729	2,050	3,779	92	0	6
1877	1,892	1,562	3,454	74	13	6
1878	1,567	1,402	2,969	64	14	0
1879	2,049	1,632	3,681	65	14	0

The receipts from Sunday admissions, during the past ten years, have been—

Year.				£	s.	d.
1870	...	...	...	472	6	6
1871	...	...	...	515	1	5
1872	..	...	...	471	14	7
1873	...	...	...	477	1	3
1874	...	...	...	497	8	4
1875	...	...	...	561	10	11
1876	...	...	...	521	8	7
1877	...	...	...	523	6	7
1878	...	...	...	535	10	4
1879	...	...	...	467	13	5

During the course of the year, the Lioness, presented to the Gardens by the Reception Committee of the British Association, has produced and reared two healthy male cubs; and the magnificent Lioness, imported direct from South Africa, and purchased by

your Council, during the same period, has successfully reared four male cubs. The attractions of the gardens have thus become substantially increased by the addition of six fine young lions, whose prospective value cannot be estimated at less than £500.

Success has at last crowned your Council's efforts to rear Brazilian Ocelots, and our collection now contains several of these rare and beautiful cats, born and reared in the Dublin Gardens.

Two Himalayan Bear cubs have been successfully reared during the year, a circumstance entirely without example in the history of Zoological Gardens.

Many distinguished Naturalists among our Members availed themselves of this unique opportunity of observing the sanitary precautions of the mother Bear, who, at a fixed hour each morning, when the sun shone, might be observed airing the straw bed of her cubs in the sunshine, turning it over, literally, straw by straw; and as the process was noted to last from 35 to 55 minutes, all curious Naturalists had ample time for observation.

It is understood that a Member of Council will shortly publish a treatise on the subject, under the title of "Short Notes on *Arctotrophy*."

This treatise will be followed by another publication on the management of Elephants, entitled "*Elephantopædia*."

These contributions to Zoological Science will, in the opinion of your Council, tend to mitigate the regret of your Members at the discontinuance of the Garden Lectures.

In the early part of the year, the sudden death of Mr. Robert J. Montgomery, Assistant Secretary, deprived the Council of the services of an officer who had acted with them for upwards of twenty years, and whose practical knowledge of animals had been of great use to the Society.

The Council give notice of the following proposed alteration in Bye-Law (9), Chapter II. :—

Notice from Council of proposed alteration of the Bye-Laws.

That Bye-Law (9), Chapter II., be altered to the following :—

"(9.) Members of the Society, and such members of their families as are *bonâ fide* resident with them, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and in the case of children of Members, the name of the person in charge of them being also signed."

BALANCE SHEET, YEAR ENDING 3RD JANUARY, 1880.

			£ s. d.	£ s. d.
Admission to Gardens—				
Members ..	..	14,289		
Public Institutions ..		3,698		
Visiters' Tickets	..	1,233		
Do.	at 5*s.*	29	7 5 0	
Do.	at 2*s.* 6*d.*	310	38 15 0	
Do.	at 1*s.*	10,699	534 19 0	
Do.	at 6*d.*	7,571	189 5 6	
School	at 3*d.*	2,774	34 13 6	
Visiters'	at 2*d.*	49,689	414 1 6	
Do.	at 1*d.*	12,863	53 11 11	
Total Admission ..		103,155	1,272 11 5	
Books of Admission Tickets			25 10 0	
				£1,298 1 5
Government Grant ..			.. ...	500 0 0
Members' Subscriptions—				
Members ..	..		£322 0 0	
Garden ..	..		185 0 0	
Life	..		30 0 0	
Entrance Fees	..		14 0 0	
				551 0 0
Donations ..	..	..	..	13 0 0
Animals sold ..	..	..	..	22 19 6
Incidentals ..	..	..	..	14 5 0
Proceeds of Deposit Note, December 7th, 1878				100 0 0
Balance due Bank, per Bank Book,			£172 7 9	
Cheque No. 35,315 not yet gone in			2 15 6	
				175 3 3
				£2,674 9 2

	£ s. d.
Due to Bank from last account	54 18 11
Purchase of Fish for Aquarium	2 4 0
,, Animals	307 4 2
Provisions for Animals	1,012 16 11
Incidentals, including Printing, Advertisements, Men's Clothing, &c.	133 5 4
Coal and Coke	68 6 6
Salaries and Wages	758 1 2
Buildings and Plantations	236 0 10
Water Rate per Meter	24 16 0
Instalment of Debt to Corporation for Laying Pipes	10 0 0
Cost of Promenades	40 16 0
Fire Insurance	1 1 0
Expenses connected with Ice	24 18 4
	£2,674 9 2

I have examined the above Account, compared the several entries, and find the balance against the Society to be £175 3*s.* 3*d.*

31*st January*, 1880. JOHN J. LALOR.

APPENDIX II.

RETURN OF ANIMALS PRESENTED

TO THE

Royal Zoological Society of Ireland

DURING THE YEAR 1879.

1879.	ANIMALS, ETC.	BY WHOM PRESENTED.
Jan. 7th	3 White Rats,	Master J. W. P. White, 25, Westland-row
„ 8th	1 Sultan Cockerell,	C. Graham, Esq., Bellvue, Sutton, Baldoyle
„ 9th	1 Sea Gull,	Arthur Creagh Taylor, Esq., The Cottage, Leinster-road, West
„ 28th	1 Black Back do.	Joseph Corless, Esq., 27, St. Andrew-street
Feb. 1st	1 Great Sulphur Crested Cockatoo,	E. G. Pennington, Esq., Sub-Inspector, R.I.C.
Mar. 1st	1 Peregrine & 1 Tiercel,	William Corbett, Esq., Green Hall, Rathcormack
„ 5th	2 Coffee Cats,	Capt. Joseph Nelson, Ship "Parsee," 4, Eglinton-terrace, Ranelagh
„ 8th	2 Sea Gulls,	Major J. H. Keough, 3, Brighton, Old Monkstown
„ 10th	1 Large African Buzzard	Edward O'Keefe, 3 Mill-street
„ „	1 Slender-billed Cockatoo	
„ „	1 Blue-fronted Amazon	
April 1st	1 Green Dove	Captain Boxer, R.N., Inspector of Irish Lights, Netley, Blackrock
„ 2nd	1 Female Badger	His Grace the Duke of Leinster, Carton, Maynooth
„ 11th	2 Quails	Miss Hilda Loftie Stoney, 89, Lower Baggot-street
„ 16th	2 Badgers	R. J. Ussher, Esq., Cappagh, Cappoquin

1879.	ANIMALS, ETC.	BY WHOM PRESENTED.
April 19th	1 Jackdaw	Master Shackleton, Anna Liffey Mills, Lucan
,, 23rd	1 Male Goat	Jas. Reilly, Esq., Lacken Mills, Cavan
,, 27th	1 Sparrow Hawk	Miss Carter, Phœnix Park
,, 30th	1 Tiercel	W. Johnston, Esq., Kinlough House, Kinlough, co. Leitrim
May 1st	1 Monal or Impeyan Pheasant	F. E. M'Farland, Surgeon-Major, A.M.D., 7, Gardiner's row
,, 2nd	2 Hen Golden Pheasants	From a Friend of the Society
,, ,,	1 Cock Silver do.	
,, ,,	2 Hens do. do.	
,, ,,	1 Guinea Pig	Master Ernest Albert Carter, Phœnix Park
,, 3rd	2 Golden Pheasants	Henry M. Barton, Esq., 4, Foster-place
,, ,,	1 White Rat	Mrs. Golding, Kingstown
,, 8th	1 Puffin or Sea Parrot	Thomas M'Combie, Esq., S. S. "Princess Alexandra," Irish Lights, 10, Laurel Bank, Monkstown
,, 20th	1 Irish Wolf Dog	General M'Causland, 26, Herbert-pl.
,, 21st	1 Female Shieldrake	R. J. Ussher, Esq., Cappagh, Cappoquin
,, 23rd	1 Hooded Crow	Robert Warren, Esq., Moyview Ballina, co. Mayo
,, 24th	1 Puffin or Sea Parrot	Michael Langan, Esq., Chief Officer, S. S. "Albert," Irish Lights
,, 27th	1 Hen Pheasant	Vere Ward Brown, Esq., 8, Oakland villas, Rathgar
June 6th	2 Kestrels	H. H. Cooper, Esq., New Park, Kilmague
,, 11th	2 Emeus	Eyre H. Gwynn, Esq., Dublin
,, 12th	1 Coati	C. Y. Weir, Esq., M.B., Surgeon, Major, A.M.D., 5, Ardenza-terrace Monkstown
,, 14th	1 Badger	Robert E. Reeves Esq., Capard, Rosenalis, Portarlington
,, 18th	1 Slut Half-bred Stag-hound & Wolf Dog	Mr. John Murphy, 67, Aungier-st.
,, 25th	1 Badger	Thos. Walpole, Esq., J.P., Monadrehid, Borris-in-Ossory, Queen's County
,, 28th	1 Fox	Mr. John G. Powell, 12, William-st.
July 1st	3 Weaver Birds	Mr. Edward O'Keefe, 3, Mill-street
,, ,,	2 Zebra Finches	

1889.	ANIMALS, ETC.	BY WHOM PRESENTED.
July 2nd	2 Small Turtles	Wm. Acton, Esq., J.P., Brookeville, Raheny
„ 3rd	1 Brown Squirrel	Miss Dawes, Golden Bridge House, Inchicore
„ 4th	2 White Mice	Master Thomas Polson, 23, James's-street
„ 9th	1 Muscovy Drake	Capt. George Cary, Laurel Lodge, Terenure
„ „	1 Tame Rabbit	Master Arthur James Cary, Laurel Lodge, Terenure
„ 13th	2 Puffin or Sea Parrots	Thomas M'Combie, Esq., S. S. "Princess Alexandra," Irish Lights, 10, Laurel Bank, Monkstown.
„ „	1 Merlin	
„ 14th	1 Common Squirrel	Master Maunsell, 25, Ailesbury-road, Merrion
„ 16th	2 Tadpoles	George T. Dawson, Esq., Balbriggan
„ „	1 Badger	Robert E. Reeves, Esq., Capard, Rosenalis, Portarlington
„ 17th	2 Tame Rabbits	Master Leo Morrogh, 5, Great Denmark-street
„ 19th	1 Australian Goat Sucker	Mr. John Baker, 17, Richmond Cottages
„ 22nd	1 Coypu	Dr. Carpenter, Galway
„ 28th	1 African Jackal	Vere Ward Brown, Esq., 8, Oakland villas, Rathgar
„ 30th	1 Peregrine Falcon	William Corbett, Esq., Green Hall, Rathcormack
„ „	1 Hen Harrier	
„ 31st	1 Russian Rabbit	Master Richard Dunbar, Phœnix Park
Aug. 2nd	1 Black do.	Master G. F. Jackson, 5, Brighton terrace, Sandycove, Kingstown
„ 9th	2 Foxes	Vere Ward Brown, Esq., 8, Oakland villas, Rathgar
„ 13th	1 Young Hare	Edward Duffy, Esq., Lower Baggot-street
„ 18th	2 Sparrow Hawks	Master Ernest A. Carter, Phœnix Park
„ „	1 Heron	Henry Devine, Esq., Killininny House, Tallaght
„ „	1 Cuckoo	
„ 26th	9 Red-legged Partridges	*Conjointly*, John Hayward, Esq., Abbot's Hall, Stowmarket; and E. G. Pennington, Esq., Sub-Inspector, R.I.C., Phœnix Park

1879.	ANIMALS, ETC.	BY WHOM PRESENTED.
Sept. 2nd	1 Gannet	Henry Thompson, Esq., Wexford
,, 3rd	1 Coati	Rev. M. Kavanagh, President, St. Peter's College, Wexford
,, 9th	2 Common Squirrels	Miss L. G. Gabbet, 25, Northumberland-road
,, 16th	1 Cuckoo	William Johnston, Esq., Kinlough House, Kinlough, co. Leitrim
,, 18th	1 Common Squirrel	Henry J. Cope Colles, Esq., 14, Ely-pl.
Oct. 2nd	1 Great Sulphur-crested Cockatoo	E. MacDonnell, Esq., 89, Lower Gardiner-street
,, 3rd	1 Zebra Parakeet	Michael J. Fottrell, Esq., 72, Kenilworth-square, Rathgar
,, 4th	1 Golden Agouti	John Lentaigne, Esq., C.B., D.L., President of the Society, 1, Great Denmark-street
,, 6th	8 Zebra Parakeets	Mr. Edward O'Keefe, 3, Mill-st.
,, ,,	4 Cinnamon Finches	
,, ,,	2 Zebra Finches	
,, ,,	2 Cut-throat Finches	
,, 14th	2 English Snakes	Edward H. Bennett, Esq., M.D., 26, Lower Fitzwilliam-street
,, ,,	2 Tiercels	Wm. Corbet, Esq., Corresponding Member, Green Hall, Rathcormack
,, 20th	1 Hen Harrier	Dixie Wood, Esq., Annaghbey, Ballinasloe
,, 22nd	1 Sparrow Hawk	Jonathan Hogg, Esq., Craigemore, Blackrock
,, 23rd	1 Skua Gull	Wm. M'Dermott, Esq., T.C., 65, Great Britain-street
,, 27th	2 Slender-bill Corella Cockatoos	Vere Ward Brown, Esq., 8, Oakland Villas, Rathgar
,, 30th	1 Green Monkey	Surgeon-Major Reynolds, A.M.D., Morehampton-road, Donnybrook
Nov. 14th	1 Muscovy Drake	Mr. Owen Connolly, 21, Mary's-abbey
,, 16th	1 Chacma Baboon	Master James Van Maanen, 1 Abercorn-ter., North Circular-road
,, 17th	1 Sparrow Hawk	Joseph Donnelly, Esq., Everton, Cabra
,, 23rd	1 Alexandria Parakeet	Mrs. Pakenham, 6, Garden-terrace, Upper Clanbrassil-street
,, 27th	1 Tawny Owl	Gordon Boles, Esq., Croncombe, Taunton, Somersetshire
Dec. 2nd	3 Reeve's Pheasants	His Grace the Duke of Marlborough, K.G.
,, ,,	1 Monal or Impeyan do.	

1879.	ANIMALS, ETC.	BY WHOM PRESENTED.
Dec. 2nd	2 Canada Geese	Mrs. W. H. Daly, Pitsburg
,, ,,	2 American Cranes	
,, 15th	1 Golden headed Parrot	John Lentaigne, Esq., C.B., D.L, President of the Society, 1 Great Denmark-street
,, 11th	2 Rosella Parakeets	The Rev. Dr. Haughton, F.R.S., Secretary to the Society, 31, Upper Baggot-street
,, 18th	1 Badger	A. E. Graves Esq., Roseberton Castle, New Ross
,, 22nd	3 Mottled Rats	Master Dawes, Golden Bridge House, Inchicore

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ANIMALS BORN IN GARDENS DURING THE YEAR 1879.

1879	Jan.	19th	2 Ocelots
,,	Feb.	4th	2 Himalayan Bears
,,	Apl.	3rd	4 Cereopsis Goslings
,,	,,	11th	3 Lion Cubs
,,	May	24th	1 Ocelot
,,	June	4th	1 Red Deer
,,	July	4th	1 Red Deer
,,	Oct.	9th	3 Lion Cubs
,,	,,	14th	2 Ocelots
,,	Nov.	8th	4 Lion Cubs
,,	Dec.	21st	2 Cereopsis Goslings

NUMBER OF HORSES, &c., RECEIVED FOR THE USE OF THE ANIMALS, 1879.

153 carcasses of Beef; 28 Horses, and 70 Sheep, Pigs, &c., were presented to the Gardens during the year 1879.

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✠ Close, S. H., Bank, Henry-street
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✠ Hutton, Mrs. Thomas Maxwell, 118, Summerhill
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Kinahan, Edward H., D.L., 11, Merrion-square, north
Kinahan, Thomas W., 10, Waterloo-road
Kirkpatrick, J. Rutherford, M.B., 4, Upper Merrion-street
275 Knox, Charles, Creagh, Ballinrobe
✠ Lacy, Miss Frances, Inchicore Lodge
✠ Lalor, John J., J.P., Drummartin Castle, Dundrum
✠ Lalor, Mrs., Drummartin, Dundrum
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Latouche, William Digges, D.L., J.P., 34, Stephen's-green, north
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320 M'Kee, Rev. T. A. 94½, Stephen's-green
M'Kerlie, Colonel, Custom House
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325 Malone, Lawrence, 7, Ely-place
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Millar, J. M., Monkstown
340 Millar, James Stavely, Richview, Rathmines
Michel, Sir John, G.C.B., Royal Hospital
Mitchell, George, 20, Lower Sackville-street
Mitchell, William, Lisdoogan, Monaghan
Molloy, Arthur, 18, Eustace-street
345 * Molloy, Very Reverend Dr., Catholic University, St. Stephen's-green, south
* Molyneux, Sir Capel, Bart., Castle Dillon, Armagh
* Monck, Right Hon. Viscount, Charleville, Bray
* Monteagle, Right Hon. Lord, Mount Trenchard, Foynes
* Moore, Robert H., F.R.C.S.I., 29, Upper Merrion-street
350 * Moore, Thomas J., Director, Museum, Liverpool
Moore, William F., Kenilworth-terrace, Rathgar
Moran, Edward, M.D., 12, Talbot-street
* Morrogh, Leonard, Fitzwilliam-square
Moses, Marcus, Rathley, Ballybrack
355 Murland, James W., Nutley, Booterstown
Murphy, Michael, 17, Eden-quay
Murphy, William, 7, Rostrevor-terrace, Orwell-road, Rathgar
Murray, Herbert H., Beech Hill, Donnybrook
Murray, J. Marshall, 35, College-green
360 * Napier, Right Hon. Sir Joseph, Bart., Merrion-square
Neilson, James, 104, Middle Abbey-street

✠ Nesbitt, Miss, Leixlip House, Leixlip
Nolan, Edward, 24, Nassau-street
Nolan, Henry P., M.D., Lower Baggot-street
365 Nolan, William, 24, Nassau-street
Norman, Francis, 16, Granby-row
Nugent, John, M.D., 14, Rutland-square
✠ O'Brien, Edward William, Cahirmoyle, Newcastle West
✠ O'Brien, Miss Charlotte, Cahirmoyle, Ardagh, county Limerick
370 O'Brien, Peter, Barrister, 13, Herbert-place
O'Donnell, James, Eustace-street
✠ O'Ferrall, James, 3, Gresham-terrace Kingstown
O'Hagan, John Q.C., 22, Upper Fitzwilliam-street
O'Hagan, Right Hon. Lord, 34, Rutland-square
375 O'Leary, W. H., M.D., M.P., 1, Merrion-square, north
O'Keeffe, Dixon, C., Stephen's-green Club
✠ Ormond, Most Hon. Marquess of, Kilkenny Castle
Ormsby, Lambert Hepenstall, M.D., 12, Lower Fitzwilliam-street
✠ Palgrave, Charles, 17, Eden-quay
380 Palmer, Sir Roger, Bart, Kenure Park, Rush
Panton, Arthur, F.T.C., Trinity College
✠ Parker, Alexander, 46, Rathmines-terrace
Patterson, James 20, Elgin-road
Pattison, Henry, Druid Lodge, Loughlinstown
385 Patton, A., M.D., Farnham House, Finglas
✠ Peebles, Robert, W., 9, North Frederick-street
✠ Peebles, William E., 9, North Frederick-street
Peele, Edward, M.D., 41, Lower Baggot-street
Perrin, Mark, Knockdromin, Rush
390 Pigot, D. R., 12, Leeson-park
Pigot, J. E., Mrs.
Pim, Frederic W., Heathville, Monkstown
Pim, Richard, Stradbrook Hall, Blackrock
Pim, George, Brenanstown, Cabinteely
395 Pim, Greenwood, Esq., Easton Lodge, Monkstown
Pim, J. Lister, 22, William-street

Pim, Henry, 62, Lower Baggot-street
Pim, Jonathan, William-street
Pim, Joseph Todhunter, Greenbank, Monkstown
400 Pim, Thomas, J.P., William-street
Pim, Thomas, jun., William-street
Pim, James, jun., Killarney Wood, Bray, and 11, Burgh-quay
Poole, Rev. Hewitt R., F.T.C.D., 15, Lower Fitzwilliam-street
✠ Porter, George H., M.D., 3, Merrion-square, north
405 Power, Sir Alfred, K.C.B., 35, Raglan-road
✠ Powerscourt, Right Hon. Viscount, Powerscourt, Enniskerry
Proud, Nicholas, Leconsfield, Glenageary
Quain, John, 49, Pembroke-road
✠ Rathborne, John G., Dunsinea, Phœnix Park
410 Reeves, Robert, 5, Fitzwilliam-place
Reeves, Richard S., 17, Merrion-square, east
Reeves, Robert, Barrister, 3, Upper Ely-place
Reside, William, 21, College-green
✠ Riall, Mrs. Arthur, Chantilly, Loughlinstown
415 Rigby, John 24, Suffolk-street
Roberts, S. U., C.E., 6, Burlington-road
✠ Robertson, C. John, M.D., District Asylum, Monaghan
Robertson, William, Fitzwilliam-square
Robinson, T. J., 21, College-green
420 Robinson, William Henry, 100, Pembroke-road
✠ Roe, Henry, jun., D.L., Mount Anville Park, Dundrum
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Ryan, T. E., 70, Abbey-street
Salmon, Rev. Dr., F.T C.D., 81, Wellington-road
425 Sanger, Thomas H., Belgrave-square, Monkstown
Savage, Mrs., Nutley, Donnybrook
Scott, Francis M., J.P., Island-bridge House
Scott, Charles M., M.D., Tower-hill, Dalkey
✠ Scriven, W. B., M.D., 33, St. Stephen's-green
430 ✠ Shackleton, Joseph F., Anna Liffey Mills, Lucan

✠ Shackleton, Abraham, J.P., Clonbrone, Temple-road, Rathmines
✠ Shirley, Evelyn J., D.L., Carrickmacross
Sigerson, George, M.D., 3, Clare-street
✠ Sligo, Most Hon. the Marquess of, Westport House, Westport
435 ✠ Smith, Aquilla, M.D., 121, Lower Baggot-street
✠ Smith, Walter G., M.D., 34, Lower Baggot-street
✠ Smyth, Robert, 6 and 7, St. Stephen's-green
✠ Smyth, Edward Webber, 7, St. Stephen's-green
Smyth, Robert William, 3, Seaview-terrace, Donnybrook
440 Smyly, P. Crampton, M.D., 4, Merrion-square, north
Smyth, George, 81, Pembroke-road
Speedy, Albert O., M.D., 28, North Frederick-street
✠ Spottiswode, Lieutenant Colonel A.
✠ Stanley H. R., M.D., Malahide
445 ✠ Staunton, C. F., M.D.
Stein, Mrs., 49, Raglan-road
Stein, R. W., 49, Raglan-road
✠ Stewart, Alexander J. R., D.L., J.P., Ards House, County Donegal
Stoker, E. A., M.B., 49, Rutland-square, west
450 ✠ Stoker, William Thornley, M.D., 16, Harcourt-street
✠ Stokes, F., J.P., Commercial Buildings, Dame-street
✠ Stokes, William, M.D., 5, Merrion-square, north
✠ Stoney, Bindon, C.E., 42, Wellington-road
Stoney, Loftie, M.D., 89, Lower Baggot-street
455 ✠ Sugrue, Charles I. H., 4, Belvedere-place
✠ Sullivan, A. M., M.P., House of Commons, London
Sullivan, E., Right Hon. the Master of the Rolls, Fitzwilliam-place
✠ Sullivan, W. K., Queen's College, Cork
Swanzy, H. R., M.D., Merrion-square, north
460 Swanzy, John, 12, Waterloo-road
Sweetman, Patrick, 23, Francis-street
✠ Sweetman, Walter, 4, Mountjoy-square, north
Sykes, George, 34, Dame-street

✠ Talbot de Malahide, Right Hon. Lord, The Castle, Malahide
465 ✠ Taylor, Moses, Morristown, Newbridge
Taylor, Thomas H., 36, Wellington-road
✠ Tickell, George, J.P., 18, Mary-street
✠ Tighe, The Right Hon. W. F., Woodstock, Innistiogue
✠ Thompson, H. Yates, Ennismore Gardens, Prince's Gate, London
470 Thompson, Henry, 13, Fitzwilliam-place
Todhunter, Joshua E., 116, Lower Baggot-street
✠ Toole, Charles, D'Olier-street
Torney, Thomas, M.D., 8, Blackhall-street
✠ Townsend, Charles Uniacke, 10, Burlington-road
475 ✠ Traill, Anthony, LL.D., F.T.C.D., 6, Frederick-street north
Trench, Hon. C., 6, Merrion-square, south
Turbett, Robert E., 3, Bachelor's-walk
Tweedy, Henry, M.D., 16, Rutland-square
✠ Tyrrell, James, 1, Merrion-square, east
480 Vance, Thomas, J.P., 9, Bridge-street
✠ Vandeleur, Colonel C. Moore, Kilrush House, Kilrush
✠ Vigors, H. M.
Wade, Robert, M.D., 208, Great Brunswick-street
Waller, Edmund W., Brewery, James's-gate, and Dundrum
485 Walpole, George, 8, Suffolk-street
Walpole, Edward, jun., 8, Suffolk-street
Wardell, J. D., Thorncliffe, Rathgar
✠ Warren, Robert, J.P., 40, Rutland-square
Waterhouse, Samuel, 25, Dame-street
490 Watson, Henry Stewart, 13, Vesey-place, Kingstown
✠ West, George Aug., Altadore, Blackrock
Westropp, W. H. Stackpoole, Lisdoonvarna
✠ Whyte, William, George's-hill, Balbriggan
✠ Whitty, John Irwin, LL.D., 94, Lower Baggot-street
495 Wigham, Henry, 33, Capel-street
Wigham, J. R., Albany House, Monkstown

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Williams, R. P., 38, Dame-street
Wilson, George Orr, Dunardagh, Blackrock
500 ✠ Wilson, John
Wilson, Joseph, D.L., Westbury, Stillorgan
Wilson, James, LL.B., 65, Fitzwilliam-square, north
Wilson, Thomas, 65, Fitzwilliam-square, north
Winstanley, James, 23, Park-avenue, Sandymount
505 Woodlock, Joseph, 42, Dame-street
Woodlock T., 42, Dame-street
Woodlock, William, 15, Mountjoy-square
✠ Wright, Joseph, Edenvale, Conyngham-road
Wybrants, William Geale, Four Courts
510 ✠ Yeates, Stephen, 2, Grafton-street
Young, Robert F., 34B, College-green

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Adair, H. Ross, 65, Lower Mount-street
Adams, Mrs., 23, Lower Leeson-street
Agnew, Capt. 30th Regt., 2 Wodehouse-terrace, North Circular-road
Aitken, William, 106, Salem House, Rathmines
5 Alexander, J. G., 47, Lower Gardiner-street
Allen, Patrick, 4, South Summer-street
Anderson Samuel Lee, 74, Lower Baggot-street
Andrew, Captain, 5, Merrion-square, south
Andrews, G., 94, Lower Leeson-street
10 Andrews, Mrs. A. J., 88, Lower Baggot-street
Askin, Frederick, 79, Pembroke-road
Aspinall, J. A. J., 2, Mount Vernon, Inchicore
Atkinson, Richard W., 130, Sandford-road, Ranelagh
Aungier, Peter, 35, Upper Mount-street
15 Bagwell, John, 5, Mountjoy-square
Baird, James A., 11, Usher's-Island
Baker, A. F., 5 Clare-street
Barnes, Edwin, Cabra-terrace, Phibsborough
Barnwell, C., 29, Eccles-street
20 Barrington, Philip Sydney, Ballyman, Bray
Barrington, R. M., Fassaroe, Bray
Battersby, W. M., 6, Westmoreland-street
Bayley, Kennett, 64, Eccles-street
Beare, G. H., Phœnix Glen Lodge, Conyngham-road
25 Bell, George, 1, Carlisle-terrace, North Circular-road
Benson, C., A.M., M.D., 42, Fitzwilliam-square, west
Beytagh, E., 3, Great Denmark-street
Bewley, Joseph, Rockville, Blackrock
Bicknell, Major, 57th Regt., Royal Barracks
30 Bird, Mrs., 32, Hatch-street
Black, Gibson, Blackheath, Clontarf
Boyd, Walter, LL.D., 22, Merrion-square, south

Brown, Walter, 52, Lansdowne-road
Browne, Rev. D., 47, Raglan-road
35 Browne, Lieut.-Col. 3rd Dragoon Guards
Bruce, William R., Barrister, 31, Upper Merrion-street
Brunton, William, Montrose, Cabra
Bryson, Mrs., 1, Prince Patrick-terrace, North Circular-road
Burke, Captain John, 3, Eblana-terrace, North Circular-road
40 Bury, Francis, 35, Belvidere-place
Bury, John, 30, Gardiner's-place
Bush, Charles Percy, 43, Leeson-park
Butler, Edward, Fontenoy, Bray
Byrne, A., 23, Nelson-street
45 Cahill, Thomas E., 168, James-street
Campbell, Henry, 4, Gardiner's-place
Campbell, J., 20, Rutland-square
Carton, Richard Paul, Q.C., 35, Rutland-square, west
Cathrew, Graves, 36, Upper Gloucester-street
50 Cavanagh, John, 9, Sydenham Villas, Bray
Chandlee, Richard S., Kenilworth-square, Rathgar
Clayton, William, 2, Cliffe-terrace, Sandycove
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Clifton, Ralph, Anchor Brewery, Usher-street
55 Clover, William Walker, Temple Hall, 19, Carysfort avenue, Blackrock
Colclough, H. V., 8, Prince of Wales-terrace, Bray
Colquhoun, David, Barrister, 41, Eccles-street
Connor, Rev. Richard J. M., F.T.C.D., 63, Lower Leeson-street
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60 Creek, Captain E. Stanley, Royal Barracks
Cresan, Mrs., 6, William's-park, Rathmines
Crowe, Mrs., 14, Merrion-square, east
Crozier, Mrs., 1, Upper Temple-street
Cruise, Robert R., 10, Mountjoy-place
65 Curran, Dr. Adye, 20, Gardiner's-place

Daniel, William, 8, Sorrento-terrace, Dalkey
Darley, Wellington, 11, Ely-place
Davie, S. G., Surgeon-major, 6, Wodehouse-terrace, North Circular-road
Davison, Captain John, 3rd Dragoon Guards, 9, Wodehouse-terrace, North Circular-road
70 Davoren, A. Vesey, Lieut.-Col., 4, Seaview-terrace, Donnybrook
Dawes, Captain, 3rd Dragoon Guards, Golden Bridge House, Inchicore
Dawson, Rev. F., 74, Lower Leeson-street
Delahunt, John, 14, Wicklow-street
Dewar, Captain, 57th Regt., Royal Barracks
75 Dillon, William, 2, North Great George's-street
Dixon, G. Y., 30, Holles-street
Dixon, Joseph F., 151, Thomas-street
Dockrell, Thomas, 1 Eaton-square, Monkstown
Doolan, H. J., 1, Grosvenor-square, Rathmines
80 Donnelly, Joseph, Everton, Cabragh
Doyle, J. P., 72, Lower Mount-street
Drummond, David J. P., Dunfillan, Rathgar
Duncan, John, Commandant R.I.C., Phœnix Park
Dunne, Patrick, 3, Loch Lomond-terrace, North Circular-road
85 Eagle, Edward, 47, Park-avenue, Sandymount
Edmundson, Mrs., Foxrock
Egan, Michael, Ruby Lodge, Blackrock
Everitt, Everitt, 7, Victoria-terrace, North Circular-road
Fagan, Mrs., 2, Lower Gardiner-street
90 Ferguson, Mrs., 1, Marino-terrace, Ballybrack
Fetherston, J. H., 58, Waterloo-road
Forrester, Lady, 63, Fitzwilliam-square, north
Franklin, William, 12, Conyngham-road
Frazer, John F., 4, Eblana-terrace
95 Fitzgerald, George Francis, F.T.C.D., 40, Trinity College
Fitzgerald, George William, Henrietta-terrace, Dalkey

Foot, Charles, 17, Brookfield-terrace, Donnybrook
Forde, William, 8, Burlington-road
French, John R., Solicitor, 24, Burlington-road
100 Gamble, R. Wilson, 51, Fitzwilliam-square
Gannon, E. J., Stephen's-green
Garland, Edward, 9, Belfast-terrace
Geoghegan, W. G., James-gate
Gibbons, Peter, 46, Lower Dominick-street
105 Gilfoyle, A. J., 56, Upper Gardiner-street
Glyn, Major-General, C.B., Royal Barracks
Gordon, R. F., Lansdowne Lodge, Lansdowne-road
Gore, Hugh, United Service Club
Gormley, J. J., 3, Richmond-place
110 Grahl, Henry, 28, Leinster-square, Rathmines
Green, George W., 1, Belgrave-terrace, North Circular-road
Green, James, 83, Lower Leeson-street
Greer, George, 11, Rathmines-road and Sackville-street
Grubb, John C., 110, Upper Dorset-street
115 Gurner, R. J. H., Shelborne Hotel
Haffield, Arthur, Bloomsbury, Dundrum
Halahan, John, 95, Meath-street
Hall, Captain 22nd Regiment
Halligan, John, Usher's-Island
120 Haines, Humphrey, Arnott Lodge, Arnott-street
Hamilton, J., 64, Northumberland-road
Harman, E. B., Colonel, D.A.G. Royal Hospital
Harrison, Hon. Judge, 3, Mountjoy-square
Harrison, R. H. 95, Lower Leeson-street
125 Hartigan, M. J., 1, Mind-terrace, Island-bridge
Hartstonge, L. Weld, 44, Mountjoy-square
Haughton, Alfred, 76, Northumberland-road
Haughton, Wilfred, 15, Northumberland-road
Hayes, Miss, 5, Belfast-terrace, North Circular-road
130 Hayes, Thomas P., 7, Anglesea-street
Hayes, Rev., W. A., 3, Mountjoy-place
Heinekey, Lewis, Rockfield House, Blackrock

Hillas, Robert William, J.P., Farm-hill, Dundrum
Hobart, R. T., 14, Clare-street
135 Hollwey, George, Crumlin-road, Crumlin
Hopkins, Nicholas, 80, Grafton-street
Howlin, James, 8, Upper Leeson-street
Hoyte, W. M., 82, Bushfield-avenue, Donnybrook
Hume, Arthur, 63, Dawson-street
140 Hurford, James, 19, Montpelier-hill
Hutton, Mrs., Edenfield, Dundrum
Jameson, F. R., 52, East Arran-street
Johnston, Captain, United Service Club
Johnston, E. P., 26, Upper Merrion-street
145 Johnston, George, 1, Vesey-terrace, Garville-avenue, Upper Rathmines, and 14, Wicklow-street
Jones, Percival, 11, Eblana-terrace, North Circular-road
Jones, Alfred G., 43, Stephen's-green, east
Joynt, William R., 9, Merrion-square, east
Kane, John Keymer, Phibsborough House
150 Kearney, F. H., 12, Hatch-street
Kennedy, Joseph, 17, Mountjoy-square, east
Kennedy, John A., Clonliffe-parade, Drumcondra
Keegan, Lawrence, 61, Great Britain-street
Keough, George, Glencourt, Bray
155 Kernan, Mrs., 75, Lower Leeson-street
Kernan, Walter, 39, Leeson-park
Keys, George, LL.D., Barrister, 54, Eccles-street
Kiddle, Captain, R.N., 79, Upper Leeson-street
Kilkelly, Surgeon-Major, 12, Upper Fitzwilliam-street
160 Kirbey, William H., 10, North Great George's-street
Knox, Mrs., L. E., 53, Fitzwilliam-square
Lane, J. Clarke, Barrister, 123, Lower Baggot-street
Latchford, James, 9, Henrietta-street
Ledwidge, M., Prospect House, Crumlin
165 Lefroy, Charles E., Ardmore, Bray
Leonard, John, 2, Montrose, Cabra
Leonard, Thomas, 5, Merrion-square, east

Lewis, Richard, 3, Loch Lommond-terrace
Lynch, Mrs., 61, Eccles-street
170 Lynch, Mrs., 27, Merrion-square, south
Macrory, Robert J. Twinley, 31, Rutland-square, west
MacIvor, James, Barrister, 27, Middle Gardiner-street
McConchy, Andrew, Barrister, 5, Upper Gardiner-street
McCausland, Miss Henrietta Maria, 26, Herbert-place
175 McCready, Rev. Christopher J., 56, High-street
McDermott, William, J.P., 64, Great Britain-street
McDermott, The, 10, Fitzwilliam-place
McDonnel, Richard, 31, Merrion-square, south
McHugh, Dr., 5, Northumberland-road
180 McKenna, P. J., 14, Lower Gardiner-street
M'Gill, Captain and Adjutant, Royal Hospital
M'Neigh, H. G., 1, Lorne-terrace, North Circular-road
Mack, John H., 25, North Frederick-street
Maher, J. F., 12, Harold's-Cross
185 Mathews, James M., 2, Eblana-terrace, North Circular-road
Martin, Lieut.-Colonel, Mountjoy Barracks, Phœnix Park
Martley, John, Barrister, 25, Hatch-street
Maxwell, Joseph A., 63, Upper Sackville-street
Meade, Robert, 3, Burlington-road
190 Meath, Right Hon. Earl of, Kilruddery, Bray
Meldon, James D., 24, Merrion-square, north
Merriman, Thomas, 9, Prince of Wales-terrace, Bray
Merry, James, St. Michael's, Booterstown
Millea, Edward, 25, Parkgate-street
195 Millar, Richard C., C.E., 2, Eaton-place, Monkstown
Moloney, W. S., 19, Upper Mount-street
Montgomery, Capt. Robert J., Hollybank, Drumcondra
Mooney, Mathew, 83, Leinster-road, Rathmines
Mooney, William, Solicitor, 66, Eccles-street
200 Moore, John W., 40, Fitzwilliam-square
Moore, James Hamilton, 42, Mountjoy-square

Moore, Mrs., 13, Merrion-square, south
Moore, William M., 17, Waterloo-road
Moriarty, J., 62, Dawson-street
205 Morphy, E., 3, Harcourt-street
Morris, Right Hon. Chief Justice, 2, Fitzwilliam-place
Morrison, Henry, Purbeck Lodge, Monkstown
Murdock, Sydney, M.D., 106, Pembroke-road
Murphy, Henry, 31, Montpelier-hill
210 Murphy, J., 13, Palmerston-road
Murphy, Michael, Parkgate-street
Murray, Albert E., 29, Crosthwaite-park
Murray, Edward, 1, Foster-place
Nash, Francis Herbert, A.M., 8, Synnott-place
215 Nash, Thomas James, Scripplestown House
Nedley, Thomas, M.D., Cavendish-row
Nolan, John, 2, Belgrave-road, Monkstown
Norton, P. R., 33, Rutland-square
O'Brien, James, 36, Lower Gardiner-street
220 O'Brien, M. J., M.D., Rathmines-road
O'Brien, Timothy, Ailesbury House, Merrion
O'Callaghan, R. D., City of Dublin Flour Mill, Usher's-island
O'Dougherty, John, 5, Upper Gardiner-street
O'Connell, Patrick, 6, Longford-place, Monkstown
225 O'Farrell, Thomas A., 6, Fownes'-street
O'Hagan, John, Solicitor, 9, Harcourt-street
O'Keefe, Edward, 3, Mill-street
O'Neill, Mrs., 5, Wodehouse-terrace, North Circular-road
O'Reilly, Joseph, Sans Souci, Booterstown
230 O'Meara, Thomas, 18, Brookfield-terrace, Donnybrook
O'Neill, Anthony, Ardburgh, Dalkey
Oldham, Arthur, 21, Elgin-road
Orpen, John H., LL.D., 58, Stephen's-green, east
Orpen, John R., 14, Upper Fitzwilliam-street
235 Overend, John, 57, Rutland-square
Pakenham, W., 8, Ely-place
Palmer, Archdeacon, 69, Mountjoy-square

Pennington, E. G., Sub-Inspector R.I.C., 1, Park-place
Perrin, Richard, 50, Lower Sackville-street
240 Perry, George, 11, Grafton-street
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Pollock, M. J., Stillorgan
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Powell, J. G., 18, Ormond-road, Rathmines
245 Prior, H. M., Brooklawn, Chapelizod
Purcell, Thomas, 71, Harcourt-street
Purser, J. M., 2, Wilton-terrace
Purser, Edward, 60, Leinster-road
Ralph, Charles, 7, Henrietta-street
250 Roache, T. E. F. H., 3rd Dragoon Guards, Island-bridge
Roper, William, Barrister, J.P., 17, Upper Mount-st.
Ross, William, 66, North-wall
Rowan, Stephen, 16, Stephen's-green, north
Samuels, W. F., M.D., A.M.D., 38, Parkgate-street
255 Scott, William, 2, Lower Sackville-street
Seavers, John P., Salem Lodge, Drumcondra
Seeds, Robert, Q.C., 52, Rutland-square
Sharpley, William D., 14, Northumberland-road
Shelly, Samuel, Riversdale, Island-bridge
260 Shiel, Mrs., 33, Fitzwilliam-place
Sherlock, David, 71, Lower Leeson-street
Smith, John Leigh, 13, Phibsborough
Smith, Mrs., 3, Cabra-terrace
Smyth, J. Bell, Windham Club, London
265 Smyth, P. J., 59, Blessington-street
Smyth, R. O'Brien, 2, Kenilworth-square
Soden, Charles, 6, Charleville-terrace, North Circular-road
Spring, James, 65, Eccles-street
Spunner, Mrs., 49, Wellington-place, Clyde-road
270 Stanley, W. B., 23, Lower Fitzwilliam-street
Staveley, John H., 6, Hardwick-place
Stewart, James Augustus, 98, Lower Baggot-street
Stewart, Mrs. Anne, Beechwood, Dalkey

Stewart, R. Q., 55, Park-avenue, Sandymount
275 Story, John B , M.D., 24, Lower Baggot-street
Stockley, William F., 25, Northumberland-road
Sweetenham, Lieut. H.M.S. "Bellisle," Kingstown
Symms, William, 31, Dame-street
Taaffe, J. P., 7, Clifton-terrace, Monkstown
280 Tate, David D., M.D., North Dublin Union Workhouse
Teeling, C. H., 10, Upper Gardiner-street
Thompson, Robert H., 2, Sydney-avenue, Blackrock
Thorlwin, John, 8, Wodehouse-terrace, North Circular-road
Todd, James, Orwell, Rathgar
285 Todd, Mrs. Ross, 49, North Great George's-street
Toomey, Mrs., Parkgate-street
Toomey, W. G., Milltown Lodge, Milltown
Townshend, T. Courtney, 66, Upper Leeson-street
Trovon, G. P., H.M.S. "Bellisle," Kingstown
290 Twigg, John, University Club
Twigg, S. K., 8, North Frederick-street
Tyrrell, R. Y., 34, Waterloo-road
Vanstone, John D., Hildon-park, Terenure
Walker, William B., Chapelizod
295 Walker, Richard C., Solicitor, 23, Gardiner's-place
Wall, Michael, 117, Thomas-street
Walpole, Thomas, Windsor Lodge, Monkstown
Warren, William H., 3, Victoria-terrace, Clontarf
Waters, Michael J., 6, Lower Dominick-street
300 Watson, Henry, Ballyronan House, Rathfarnham
Watson, William, 5, Lower Sackville-street
Webb, John, Ardeen, Palmerston-park
Weir, James, Blackrock
White, James V., 20, Eccles-street
305 Williams, N., 77, Lower Leeson-street
Wilson, William Wesley, 84, James's-gate
Winder, Henry Monck, Royal Hospital
Woodrooffe, James, Island-bridge
Wright, George, 61, Lower Mount-street
310 Wynne, Mrs., 11, Lower Pembroke-street

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NATURAL HISTORY

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21 MAR. 1906

The Forty-ninth ANNUAL REPORT

OF

The Royal Zoological Society

OF IRELAND,

FOR THE YEAR ENDED 31ST DECEMBER, 1880.

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1881.

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SECRETARY.

HAUGHTON, REV. S., M.D.

TREASURER.

HUTTON, T. MAXWELL, ESQ.

COUNCIL.

BALL, ROBERT S., LL.D.
FINDLATER, W., M.P.
LALOR, J. J., J.P.
MACALISTER, A., M.D.
MACDONNELL, A., C.E.
MACDONNELL, R., M.D.
MAPOTHER, E. D., M.D.
PEEBLES, W. E., ESQ.
REEVES, ROBERT, ESQ.
SHACKLETON, ABRAHAM, J.P.
TOWNSEND, C. UNIACKE, ESQ.
TRAILL, ANTHONY, LL.D.
GRACE, MAJOR PERCY R.
HOGG, JONATHAN, ESQ.
PIM, JOSEPH TODHUNTER, ESQ.

Laws and Regulations

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

Chapter I.—THE CONSTITUTION.

1. The Society consists of Ordinary Members, and Honorary Members.

2. The Officers shall be chosen from amongst the Ordinary Members, and shall be—

A President,
Five Vice-Presidents,
A Secretary, and
A Treasurer,

who, together with fifteen other Ordinary Members of the Society, shall constitute the Council.

3. The Officers and Council for each year shall be elected at the Annual General Meeting of the Members of the Society.

4. But in case any Officer, or other Member of the Council, shall die or resign, the Council may appoint a member to supply his place until the next Annual Meeting.

Chapter II.—THE MEMBERS.

1. Every person wishing to become a Member of the Society must be proposed in writing to the Council by one Member of Council, and seconded by another; and upon election and payment of his admission fee, such person shall be a Member of the Society.

2. But he shall not exercise the privileges of a Member until his first year's Subscription is paid in advance.

3. The Admission Fee shall be *One Pound*, the Annual Subscription *One Pound*, and the Composition for life in lieu thereof, *Ten Pounds*.

4. The Annual Subscription shall be due on the first of January in each year, and shall be payable in advance.

5. If the Subscription of any Member is not paid within one year after it is due, he shall cease to be a Member until he shall have paid up his arrears.

6 No person becoming a Member after the first day of October in any year, shall be liable for the Subscription for that year.

7. No person shall exercise the privileges of a Member until he shall have paid his Subscription for the current year.

8. Ladies may be admitted as Members upon the same terms, and with the same privileges, as gentlemen.

9. Members of the Society, and such members of their families as are *bonâ fide* resident with them, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and in the case of Children of Members, the name of the person in charge of them being also signed.

Chapter III.—HONORARY MEMBERS.

1. Distinguished persons may be elected Honorary Members without annual or other payment, by a vote of the Society, at any of its Meetings, upon the previous recommendation of the Council.

2. Honorary Members shall have the same privileges as other Members, except that of voting at the Meetings.

3. The number of Honorary Members shall be limited to twenty.

Chapter IV.—THE OFFICERS.

The President.

1. The President shall preside at all Meetings of the Society and Council, when present, and shall generally superintend the affairs of the Society.

2. The Same person shall not be President for more than five successive years.

3. Ex-Presidents shall continue to be Honorary Members of Council.

Vice-Presidents.

1. Of the five Vice-Presidents, two at least shall go out at each election, but this shall not prevent their continuing Members of Council in another capacity.

2. The Vice-Presidents shall supply the place of the President in his absence.

The Secretary.

It shall be the duty of the Secretary to see to the execution of the rules, orders, and directions of the Society and Council.

The Treasurer.

No money shall be paid by the Treasurer, except upon the written order of the Council, signed by at least three of its Members.

Chapter V.—THE COUNCIL.

1. Three Members shall form a Quorum.

2. The Council shall meet at such times as they themselves shall determine.

3. It shall be the duty of the Council to conduct the business of the Society, subject to the laws and regulations of the Society at large.

4. All questions shall be decided by the majority of voices: and where the numbers are equal, the Chairman shall have a casting voice; but he shall not vote except in such case.

5. The Council may summon a Meeting of the Society for scientific purposes whenever they think fit, stating the object of such Meeting; and at such Meeting no business but that stated in the notice shall be discussed.

6. At least three of the Council shall go out at each election.

7. No member of the Society having any contract with the Society or Council for which payment is to be made, shall be eligible to a seat in the Council in any capacity; and if the name of any member of the Society having a contract with the Society, or receiving any fee or emolument from the Society, shall be found in the Ballot, that name shall be set aside by the Chairman, notwithstanding any number of votes that may be appended to it; and if any Member or Officer of the Council enter into any contract with the Society, or receive from it any fee, payment, or emolument, his seat shall become, *ipso facto*, vacant in the Council, and the Council shall immediately summon a Meeting of the Society, to elect a member to the vacant place.

Chapter VI.—ANNUAL MEETING.

The Annual Meeting shall be held on the second Tuesday in January in each year, for the purpose of electing the Council and Officers for the ensuing year, and of hearing the Report of the Council read, and auditing the accounts.

Election of Officers.

1. The Council for the time being shall annually cause to be prepared a list of persons whom they recommend to be Officers and Council for the ensuing year.

2. The list shall distinguish the three or more Members proposed to be removed, and the three or more proposed to be elected in their room, and it shall be transmitted to each Member residing in Dublin, by post, along with the notice of the time and place of the General Meeting, to be sent at least seven days before the day of Meeting.

3. The Chair shall be taken at four o'clock, when the ballot shall commence and continue open for one hour, at the expiration of which time the Chairman shall proclaim that the time had arrived when the ballot should close, and order the porter not to admit any other Members into the room, and then the Chairman shall call on the Members in the room who have not balloted to come forward and ballot, and the scrutiny shall forthwith take place; and those persons to whose names the greater number of marks shall have been affixed, shall be declared duly elected in the order and places in which they stand, provided at least three new Members be elected, but if not, then those of the proposed Members who have the least number of marks shall be rejected, until at least three former Members are excluded, and their places shall be filled by those who have the next greatest number of marks.

4. If two or more names have the same number of marks, the order of preference shall be decided by lot.

General Business.

1. No motion respecting a change in the laws or constitution of the Society shall be discussed or voted upon at the Annual or other meeting, except as hereafter provided, unless notice thereof be given in writing to the Council, at least one month before such Meeting; the Council to give seven days' notice to the Members, as before ordered.

2. But the Council may propose, and bring to the vote, any measure or question, at any of the Meetings of the Society, provided it shall have been under their consideration for at least one month, and that notice thereof be given to the Members in the circular notice of such Meeting, at least seven days previous to the day of Meeting.

Chapter VII.—THE GARDENS.

1. Any person enrolling his name in a book kept at the gate of the gardens, and paying One Pound a year, shall be a Subscriber, and shall have the same privileges of ingress to the Gardens as a member of the Society.

2. The Council shall have the power of suspending all rights of free entrance to the Gardens upon the day of a public fete, or similar occasion, when such shall be given for the benefit of the society.

3. During frost, the Council shall have power to suspend all privileges of Members and Garden Subscribers, except that of personal admission.

4. The Council shall have power from time to time to vary, as may seem fit to them, the rates of admission to non-subscribers.

THE Forty-ninth Annual Meeting of the ROYAL ZOOLOGICAL SOCIETY OF IRELAND was held in the College of Physicians on Tuesday, 11th January, 1881.

Sir JOHN LENTAIGNE, C.B., PRESIDENT, IN THE CHAIR.

REPORT OF COUNCIL.

During the year 1880 the numbers of visiters to the Gardens, and the receipts at the entrance gate, were as follows:—

ADMISSION TO ZOOLOGICAL GARDENS, 1880.

Members			...	16,095			
Public Institutions			..	3,053			
Visiters' Tickets			...	1,425			
	s.	d.			£	s.	d.
Visiters at	5	0	...	68	17	0	0
Do. ,,	1	0	...	11,639	581	19	0
Do. ,,	0	6	...	5,979	149	9	6
Schools ,,	0	3	...	2,272	28	8	0
Visiters ,,	0	2	...	57,203	476	13	10
Do. ,,	0	1	...	14,993	62	9	5
Books of Admission Tickets					38	0	0
				112,727	£1,353	19	9

During the preceding year the corresponding numbers were—

ADMISSION TO ZOOLOGICAL GARDENS, 1879.

Members			...	14,289			
Public Institutions			...	3,698			
Visiters' Tickets			...	1,233			
	s.	d.			£	s.	d.
Visiters at	5	0	...	29	7	5	0
Do. ,,	2	6	...	310	38	15	0
Do. ,,	1	0	...	10,699	534	19	0
Do. ,,	0	6	...	7,571	189	5	6
Schools ,,	0	3	...	2,774	34	13	6
Visiters ,,	0	2	...	49,689	414	1	6
Do. ,,	0	1	...	12,863	53	11	11
Books of Admission Tickets					25	10	0
				103,155	£1,298	1	5

The total number of visiters and receipts at gate during the past ten years were as follows:—

Year.	Visiters.	Receipts.		
1871	167,692	£1,352	0	5
1872	147,184	1,502	9	10
1873	147,762	1,450	4	3
1874	109,923	1,442	14	4
1875	104,945	1,500	4	8
1876	98,491	1,353	8	7
1877	102,416	1,367	4	10
1878	110,173	1,494	3	4
1879	103,155	1,298	1	5
1880	112,727	1,353	19	9

During the corresponding years the total receipts from Entrance Fees and Subscriptions were as follows:—

Year.	Entrance Fees and Subscriptions.
1871	£435
1872	496
1873	404
1874	610
1875	429
1876	448
1877	595
1878	580
1879	551
1880	531

The receipts from Sunday admissions, during the past ten years, have been:—

Year.	£	s.	d.
1871	515	1	5
1872	471	14	7
1873	477	1	3
1874	497	8	4
1875	561	10	11
1876	521	8	7
1877	523	6	7
1878	535	10	4
1879	467	13	5
1880	539	3	3

During the past year there were five Lion Cubs and three Leopard Cubs born in the Gardens; and the

following valuable additions were made by purchase:—a magnificent Bison Bull and Cow from Texas, the latter being the very image of the Black Cow of Yama, which yields white milk; a third Polar Bear has been purchased, and also several *Hanumans* or Sacred Monkeys.

The following account of their mythical ancestor is taken from the *Ramayana*:—

"When the two spies had returned to Kandy from their visit to the Camp of Rama, they described to Ravana, viewing the army of his enemy from the summit of Kandy, the names and qualities of the several chiefs much in the fashion in which Helen described to Priam on the walls of Troy the names and origin of the Grecian leaders. Their account of Hanuman is as follows:—

"He whom thou seest sitting yonder, like an excited elephant; that warrior who is able in his wrath to stir up the Sea herself against her will, is the same ape who has already triumphed over Lanka (Kandy), and who has seen Sita (the Helen of the story); behold him come back before these walls, whom thine eyes have already seen before. He is the eldest son of Kecari, or as report says, the son of the Wind. He is called Hanuman (the jaw fellow), and he it is that crossed the sea (from India to Ceylon). No one can stop his way, just as it is impossible to stop the wind in his course. One day, when he was yet an infant, when he saw the sun rising, he sprang out towards it; this much is certain that he crossed a distance of three thousand yodjanas (or 1,800 Geographical miles).* "I shall sieze the Sun," says he, "and he shall no longer pass over me." He had formed this resolution in his soul, because his strength was already drunk with pride. But it so happened that this god, the most invincible of beings among the Danavas, the Rishis, or the gods themselves, did not put out the Sun, but fell himself upon the mountain, from behind which the Light-bearing Star rises day by day. The ape, of the heavy body, falling headlong on the face of a rock, broke one of his jaws, and it is for this reason that he is called Hanuman (the jaw fellow). I have now told you what I learned of him during our expedition, to which I devoted my best attention. His strength, his *shapes*, his power are not possible of description."

During the year, a sad accident caused the death of one of our Keepers, Thomas Flood, who was killed in the

* About as far as from Dublin to New York.

discharge of his duty by the Red Deer Stag, of which he had the care. The Council desire to thank the Members and the general public for the promptitude and liberality with which they responded to the call for subscriptions in aid of FLOOD'S widow and daughter, which the Council intend to apply in the form of a weekly allowance for their support.

Several Members of Council contributed liberally to funds in aid of the renovation of the circular paddock and the dog-house, which have been completed, and part of the former has been made use of to provide comfortable winter quarters for rare waterfowl.

Among the presentations to the Gardens in 1880 was the donation by Lord WILLIAM COMPTON of a fine Russian Bear, whose dam he had shot when on the British Embassy at St. Petersburg.

The Council have in contemplation a method of publishing proceedings, with accounts of results of the dissection of animals dying in the Gardens, in the course of the coming year.

BALANCE SHEET, YEAR ENDING JANUARY, 1881.

			£	s.	d.	£	s.	d.
Admission to Gardens—								
Members		16,095						
Public Institutions ..		3,053						
Visiters' Tickets ..		1,425						
Do.	at 5*s.*	68	17	0	0			
Do.	at 1*s.*	11,639	581	19	0			
Do.	at 6*d.*	5,979	149	9	6			
Schools	at 3*d.*	2,272	28	8	0			
Visiters'	at 2*d.*	57,203	476	13	10			
Do.	at 1*d.*	14,993	62	9	5			
Total Admission ..		112,727	1,315	19	9			
Books of Admission Tickets			38	0	0			
						£1,353	19	9
Government Grant, Three Quarters			..		..	375	0	0
Members' Subscriptions—								
Members			£310	0	0			
Garden			195	15	0			
Life			10	0	0			
Entrance Fees ..			15	0	0			
						530	15	0
Donations				..		10	0	0
Animals sold				..		241	18	7
Incidentals				..		11	1	6
Balance due Bank, per Bank Book,			£237	9	11			
Cheque not gone in			2	15	6			
Do. Do.			2	0	0			
			242	5	5			
Less in Superintendent's hands		0 0 6						
„ in Treasurer's hands		1 0 9						
			1	1	3			
						241	4	2
						£2,763	19	0

	£	s.	d.
Due to Bank from last account	175	3	3
Purchase of Fish for Aquarium	1	13	0
Do. Animals	228	9	7
Provisions for Animals	914	16	8
Incidentals, including Printing, Advertisements, Men's Clothing, &c.	224	7	11
Coal and Coke	52	13	6
Salaries and Wages	771	12	0
Buildings and Plantations	293	16	7
Water Rate per Meter	51	8	10
Cost of Promenades—Bands	37	13	0
Fire Insurance	1	1	0
Expenses connected with Ice	11	3	8
	£2,763	19	0

I have examined the above Accounts, compared the several entries, and find the Balance against the Society to be £241 4*s.* 2*d.*

8th February, 1881. JOHN J. LALOR.

APPENDIX II.

RETURN OF ANIMALS ADDED

TO THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND

DURING THE YEAR 1880.

ANIMALS, ETC.	PRESENTED BY
1 Russian Bear,	Lord William Compton, Dublin Castle
2 Barbary Ape Monkeys,	W. H. Henry, Esq., of Gibraltar
1 Bonnet Monkey,	The Rev. H. E. Moyer, Kingstown
1 South American Fox,	Herbert Graves, Esq., Wavertree Grange, Liverpool
1 White Hare,	C. O'K. Smyth, 13, Summer-hill, St. Luke's, Cork.
1 Badger,	Edward Cole Magennis, Esq., Boyle
1 Badger,	Joseph Donnelly, Esq., Cabra
4 Land Tortoises,	Master James Van Maanen, 1 Abercorn-terrace, N. C. Road
1 Alligator,	Samuel Tierney, Belfast
1 Opossum,	R. Carscaden, Esq., Derry
1 Laughing Kingfisher,	R. Carscaden, Esq., Derry
2 Red Kangaroos 1 Racoon, 1 Armadillo,	Purchased from Jamrach
1 Silver Cock Pheasant,	Mr. E. O'Keefe, 3 Mill-street
1 Hedgehog,	Master Thomas Barry, 7 Carlisle-av., Donnybrook
1 Kestrel,	R. O. O'Connor, Esq., 115 Up. Leeson-street
1 Jackal,	Henry R. Malley, Esq., 26 Up. Temple-street
1 English Snake,	Master Arthur Penrose, Doronham, Norfolk
A pair of Rosella Parakeets,	E. O'Keefe, 3 Mill-street
1 Badger,	R. J. Usher, Esq., Cappagh, Cappaquin
1 Rhesus Monkey,	The Superior of Cabra Deaf and Dum Institution
1 Marmoset Monkey,	Michael J. Hogan
1 White Russian Rabbit,	Mrs. Sands, Clontarf
1 Sparrow Hawk,	T. G. Tarleton, Rathgar
5 Guinea Pigs,	Mrs. Martin, Mountjoy Barracks
1 Persian Cat,	Mrs. Molloy, Kingstown
2 Silver Pheasants,	V. W. Brown, Oakland Villas, Rathgar
1 Heron,	Joliffe Tufnell, Lr. Mount-street
1 Lemur,	V. H. Brown, Oakland Villas, Rathgar
1 Pair Quails,	Mrs. Lloyd, Killiney
1 Monkey,	W. A. Gunning, Cookstown.
1 Persian Cat,	J. Bulfin, Esq., Warrenpoint
2 Gray Parrots, 1 Porcupine, 12 Gold Fish,	Mr. E. O'Keefe, 3 Mill-street

ANIMALS, ETC.	PRESENTED BY
1 Black Bear (North America),	Captain R. C. Halpin, Wicklow
1 African Dove,	Master James Scott, Clanbrassil-place, South Circular-road
1 Gannet,	Mr. John Glennon, Merrion-street, Lr.
3 Gray Rabbits,	W. E. Peebles, Esq., 9 Nt. Frederick-st.
1 Fox,	Colonel Clements, Celbridge
6 Silver Pheasants,	R. W. Boyle, Esq., Sutton
1 Fox,	Mr. Noble, Holton, Athlone
1 Marmoset Monkey,	C. W. Bridgford, Esq., Ball's-bridge
2 Indian Parrakeets,	T. Bridgford, Esq., Sackville-street
1 Land Tortoise,	F. Butterly, Drumcondra
1 Russian Bear,	Lord W. Compton
3 New Zealand Lizards,	Mr. O'Grady
1 Fawn (Deer),	V. H. Brown, Oakland Villas, Rathgar
4 American Squirrels,	A. J. Rice, Esq., 50 Up. Blessington-st.
1 Horned Owl,	R. W. Boyle, Esq., Sutton
1 Rhesus Monkey,	R. P. M'Math, Portobello

ANIMALS, ETC.	ANIMALS, ETC.
1 Amazon	4 Green Monkeys
2 Red Kangaroos	1 White Monkey
1 Racoon	3 Egrets
1 Armadillo	3 South American Herons
1 Badger	1 Adjutant
1 Rhesus Monkey	1 Rhesus Monkey
1 Black Swan	1 Polar Bear
1 Patagonian Rabbit	1 Rhesus Monkey
1 Seal	1 Cockatoo
2 Peregrine Falcons	1 Tortoise
1 Badger	1 Seal
1 Fox	2 White Monkeys
1 Bison Bull	1 Fox
1 Bison Cow	1 Bonnet Monkey
2 Sooty Monkeys	

ANIMALS BORN IN GARDENS DURING THE YEAR 1880.

1880	March	18th	1 Cereopsis Gosling
,,	April	26th	1 Leopard Cub
,,	May	17th	2 Leopard Cubs
,,	June	19th	1 Red Deer
,,	June	24th	2 Ocelots
,,	Sept.	16th	1 Guanaca
,,	Sept.	16th	5 Lion Cubs

List of Members

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

HONORARY MEMBERS.

Bell, Professor, F.R.S., Selborne

Carus, M. Victor, Museum, Leipsig

Gould, John, F.R.S., 26, Charlotte-st., Bedford-square, London

Jenyns, the Rev. L., F.R.S.

Jones, Professor Rymer, F.R.S., King's College, London

Just, Wm., Pacific Steam Navigation Company, Liverpool

Lea, Isaac, LL.D., Philadelphia

Leech, Colonel, R.E., Highgate, London

Mayo, Right Hon. The Earl of, Palmerstown House, Naas

Montgomery, General G.S., H. M. Indian Army, C.S.I., Fort Royal, Rathmullan

Owen, Professor, F.R.S., British Museum, London

Rupell, M. M., Frankfort

Sclater, P. Lutley, Ph.D., F.R.S., Secretary, London Zoological Society

Trevelyan, Sir Charles, K.C.B., Indian Service

King, Charles Croker, M.D., 34, Upper Fitzwilliam-street

CORRESPONDING MEMBERS.

James Armstrong, M.B., 8, Leeson-park

William Armstrong, Surgeon-Major, Curragh Camp

Colonel Collingwood, 21st Fusilliers

William Corbet, Green Hall, Rathcormack, county Cork

John P. Denton, jun., West Hartlepool

Goorge S. Dobson, Assistant Staff Surgeon, India, Royal Victoria Hospital, Netley, Southampton

Dr. Doyle, Assistant Surgeon, "Serapis"

Col. Dwyer, 1st Battalion 14th Regiment

Hon. H. Fitzgerald, Trinidad

J. B. Hamilton, Esq., M.D., Royal Artillery, Surgeon-Major

His Excellency J. Pope Hennessy

Henry Thomas Henry, M.D., Bathurst, Gambia, West Africa

J. J. Lamprey, M.D., 2nd West Indian Regt., Cape Coast Castle

E. C. Markey, Esq., M.D., Surgeon-Major, India

James McCreery, Surgeon-Major

F. A. Montgomery Moore, late 1st West India Regt.

C. B. Mosse, Surgeon-Major, Kingston, Jamaica

Capt. Joseph Nelson, Ship "Parsee," 4, Eglinton-ter., Ranelagh

J. M. Price, Surveyor-General, Hong-Kong

Captain Seymour, Chief Commissioner of Police, Queensland

E. Guy Selby Smythe, Sunbury-on-Thames

Rev. John MacG. Ward, Chaplain, R.N., H.M.S., "Topaze," Kingstown

Dr. Samuel Warren, 55, Park Avenue, Sandymount

N. W. Fitzgerald, 33, Queen-street, Melbourne

LIFE AND ANNUAL MEMBERS.

✠ *Indicates Life Members.*

✠ His Excellency Earl Cowper, K.G., Lord Lieutenant of Ireland, Dublin Castle
✠ Her Excellency The Countess Cowper, Dublin Castle
✠ The Right Hon. The Earl Spencer
✠ His Grace The Duke of Abercorn
✠ The Right Hon. the Earl of Kimberley
✠ His Grace the Duke of Marlborough
Abraham, Plim S., 5, Clare-street
Alexander, Alfred J., Richmond-villa, Monkstown
Alexander, William, 10, Belgrave-square, Monkstown
Allen, Charles, V.S., 35, North Frederick-street
Allen, Edward, 35, North Frederick-street
✠ Allen, Henry J., Fern Dene, Stradbrook, Blackrock
✠ Allen, Richard Purdy, Sycamore House, Brixton-hill, London
Allen, Richard, 28, Lower Sackville-street
✠ Annally, Lord, Woodlands, Clonsilla
Andrews, Henry, Hastings, Blackrock
✠ Archer, Wm. F.R.S., St. Brendan's, Grosvenor-rd., Rathmines
✠ Ardilaun, Right Hon. Lord, St, Anne's, Clontarf
✠ Ardilaun, The Lady, St. Anne's, Clontarf
Armstrong, G. R., King's Hospital, Blackhall-place
✠ Arthur, Lieutenant-Colonel
Athill, Lombe, M.D., F.R.C.S., Rotunda Hospital, Rutland-sq.
✠ Atkinson, John, Ely-place
Babington, William, D.A., 25, Upper Fitzwilliam-street
Bagot, John, J.P., 28, William-street
Baily, John, C.E., 3, Blackhall-place
✠ Ball, J. B., 12, Merrion-square, east
✠ Ball, Robert Stawell, LL.D., Observatory, Dunsink
✠ Bangor, Right Hon. Lord, Castleward, Downpatrick
✠ Banks, John T., M.D., 11, Merrion-square, east
✠ Barker, H. O., LL.D., 6, Gardiner's-row
✠ Barker, Richard Oliver, 6, Gardiner's-row
✠ Barker, William Oliver, M.D., 6, Gardiner's-row
Barlow, Captain John, 2, Belfast-terrace
Barrington, Sir Croker, Bart., 60, Fitzwilliam-square, north
Barrington, Sir John, Knt., D.L., J.P., St. Anne's, Killiney
✠ Barrington, R. M., Fasseroe, Bray
Barry, John E., 12, Mountjoy-square, north

Barry, Right Hon. Mr. Justice, Fitzwilliam-square
✠ Barter, Rev. J. B.
Barton, Freeman, 38, Upper Fitzwilliam-street
Barton, Henry M., 4, Foster-place
Barton, John K., M.D., 24, Lower Fitzwilliam-street
Baxter, Charles Patrick, M.D., 66, Lower Baggot-street
✠ Beach, Sir M. E. Hicks, M.P., Portman-square, London
✠ Beaney, J. G., M.D., Melbourne
Belas, George Henry, 18, Leinster-road
Bennett, Edward H., M.D., 26, Lower Fitzwilliam-street
Bentham, William, 66, Upper Sackville-street
✠ Bewley, Samuel, J.P., 6, Dame-street
✠ Bewley, Samuel, junior, 6, Dame-street
✠ Black, William Fleming, 27, Eccles-street
✠ Blood, Bagot, 38, Wellington-road
✠ Blood, J. L. H., Longford-terrace, Monkstown
Blood, Frederick, Mountjoy Brewery
Bloxham, Henry C., Ulster Bank
✠ Bolton, S. H., J.P., Grove House, Rathmines-road
✠ Bookey, Mrs. William, Beauchamp, Bray
✠ Bomford, George, Oakley Park, Kells
Boyd, R. Macrory, Walworth, Grand Canal
Boyd, Samuel, J.P., Shanganagh Park, Loughlinstown
Boyle, Richard W., J.P., College-green
Brady, Thomas F., 11, Percy-place
✠ Brady, Maziere J., 2, Wilton-place
Brady, James, M.D., 38, Harcourt-street
✠ Bridgeford, W. B., 148, Sackville-street
✠ Brooke, Sir Victor, Bart., Colebrook, Brookboro'
✠ Brooke, William, Taney-hill, Dundrum
✠ Brooks, Maurice, M.P., Sackville-place
✠ Brooks, M., jun., Gresham-terrace, Kingstown
✠ Browne, R. C., Viewmount, Carlow
✠ Brown, Hugh. J.P., Oakland, Rathgar
Browne, Robert, M.D., Largo House, Rathmines
Brown, Vere Ward, Oakland Villas, Rathgar
Browne. Mrs., 8, Merrion-square, north
Brunker, James E., Rostellan, Temple-road, Rathmines
Burke, Edward F., 16, Bachelors'-walk
✠ Burke, T. H., Under Secretary, Dublin Castle
Burke, William, 1, Clanwilliam-place
✠ Burke, Sir Bernard (Ulster), Dublin Castle
✠ Burton, Decimus, F.R.S., 37, Gloucester Gardens, Bayswater, London
Burns, Gilbert, Mary-street

Busby, Alphonso, 4, Burlington-road
Butler, E., 3, Eaton-place, Monkstown
✠ Butler, Lord James, 18, Rutland-square, north
Byrne, John A., M.D., 37, Westland-row
Callwell, Nathaniel, 39, Fitzwilliam-place
Cameron, C. A., M.D., Pembroke-road
Campbell, Alderman, Mountjoy-square
Cannon, Edward, Kenilworth-square, Rathgar
Carleton, James Crichton, 62, Northumberland-road
✠ Carlingford, Right Hon. Lord, Carlton Gardens, London
✠ Carpenter, Arundel, 125, Leinster-road
Carroll, Coote Alex., Boston Spa, Tadcaster, Yorkshire
✠ Carson, Rev. Joseph, D.D., F.T.C.D., Trinity College
Carte, Alexander, M.D., Royal Dublin Society
✠ Carte, William, M.D., J.P., Royal Hospital
✠ Carte, William Alexander, Military-road
Casey, Robert, Montpelier House, Monkstown
✠ Cavendish, Lord Edw., Devonshire House Piccadilly, London
Chambre, John, 45 Mountjoy-squa
✠ Charlemont, Right Hon. the Earl of, Roxborough, Moy
Chatterton, Right Hon. the Vice-Chancellor, Newpark, Newtown Park-avenue, Blackrock
Clibborn, James, Woodville, Sandford
Cloncurry, Lady, Maretimo, Blackrock
✠ Close, H. W., Bank, Henry-street
✠ Close, S. H., Bank, Henry-street
Close, Rev. M. H., 38, Lower Baggot-street
Colles, G. C., 8, Kildare-street
Colles, William, M.D., 21, St. Stephen's-green
Collins, Thomas, M.D., 48, William-street
Colville, James C., Coolock House, Raheny
Connolly, Lieut.-Col., V.C., 21, Rutland-square
✠ Connor, John, Anatomical Museum, Trinity College
Copland, Charles, Longford-terrace, Monkstown
Copland, J. W., Northumberland-road
Corbet, Daniel, 12, Clare-street
Corley, A. H., M.D., 30, Baggot-street
✠ Cornwall, Gustavus, 17, Harcourt-street
✠ Cornwall, Robert, 36, Rutland-square
Cosgrave, W. A., 70, Eccles-street
Crawley, W. J. Chetwode, LL.D., F.G.S., 66, Mountjoy-square, west
Cotton, Charles P., C.E., Green Hill, Killiney
Courtney, William M'Dougall, 4, Prince Patrick-terrace, North Circular-road

✠ Cowper, Henry A., 29, Fitzwilliam-place
Crookshank, Arthur Chichester, Solicitor, 4 Blessington-st.
Crampton, Sir John, Bart., Bushy Park, Enniskerry
✠ Creed, James, M.D., Assistant-Surgeon, 2nd Battalion, 20th Regiment, 176, Rathgar-road
Cruise, Francis R., M.D., 3, Merrion-square, west
Cryan, Robert, M.D., 54, Rutland-square
✠ Cusack, Sir Ralph S., J.P., Furry Park, Raheny
Dames, T. F. Longworth, Q.C., 21, Herbert-street
D'Arcy, Mathew P., D.L., 6, Merrion-square, east
Dickie, W. D., 41, Wellington-quay
Dixon, G. Yeates, 4, Earlsfort-terrace
D'Olier, Edmund, 9, Eustace street
✠ Dowse, Richard, Right Hon. Baron, 38, Mountjoy-square
Drumm, Thomas, 4, Sackville-place, and 7, Sandford-avenue
DuBedat, Francis F., 2, Foster-place
DuBedat, John, 45, Pembroke-road
DuBedat, W. G., Ailesbury-road, Merrion
Dudgeon, H. James, 113, Grafton-street
Duffey, G. F., M.D., 30, Fitzwilliam-place
✠ Dufferin, Right Honourable the Earl of, Clandeboye, co. Down
✠ Dunally, Dowager Lady, Belgrave-square, Monkstown
Dunn, D. B., D.D., 4, Clanwilliam-place
✠ Dunnill, Benjamin, 1, Clifton-place, Monkstown
Edmundson, Joshua W., Capel-street
Edmundson, John W., Capel-street
✠ Ellis, George, M.D., 91, Leeson-street
Elrington, J. F., LL.D., Carrickbrennan House, Monkstown
Enniskillen, Right Hon. Earl of, Florence-court
✠ Evatt, Robert B., D.L., Mount Louise, Monaghan
✠ Farquharson, Robert, Munster Bank, Dame-street
✠ Farrell, E. Walter, 3, Merrion-square east
✠ Farrell, James, 3, Merrion-square east
✠ Faulkiner, Bolton W., late Captain 95th Regt., Pau
Fennell, Hugh James, 6, Havelock-sq., east, Ball's Bridge
Fennell, Joshua G., 7, Longford-place, Monkstown
Ferguson, John R., A.M., M.B., 20, Sherrard-street, upper
Fetherston, S. H. Radcliffe, 17, Eccles-street
✠ Findlater, John, Melbeach, Monkstown, co. Dublin
✠ Findlater, William, 22, Fitzwilliam-square
Fitzgerald, Right Hon. Mr. Justice, Merrion-square, east
✠ Fitzgerald, Thomas, 22, Fitzwilliam-place
✠ Fitgibbon, Gerald, Rt. Hon. Lord Justice of Appeal, 10, Merrion-square, north
Fitzgibbon, Henry, M.D., J.P., 18, Lower Fitzwilliam-street

Fitzsimon, Francis, 15, Bridgefoot-street
Flanagan, Right Hon. Stephen Woulfe, Judge, Landed Estates Court, 20, Fitzwilliam-place
Foot, Arthur Wynne, M.D., 49, Leeson-street
* Forrest, J. K., M.D., 13, Clare-street
Forrest, James, Grafton-street
Forster, John, St. Mary's, Temple-road, Rathmines
Fottrell, Edward, J.P., 46, Fleet-street
Fottrell, George, jun., 8, Great George's-street, north
Fox, M., M.D., 11, Blackhall-street
Galbraith, Rev. Joseph A., F.T.C., Trinity College
* Garstin, J. Ribton, Braganstown, Castlebellingham
Gerrard, Thomas, 11, Oakland villas, Rathgar
Gerrard, John Netterville, Barrister, 86, Lower Baggot-st.
Gibson, Rt. Hon. Edward, M.P., 23, Fitzwilliam-square
Gill, Henry Joseph, Roebuck, county Dublin
Gogarty, H. J. K., M.D., 5, Rutland-square
Goodbody, Jonathan, jun., 43, Dame-street
Goodbody, Robert, 8, Fitzwilliam-square
Goodman, John Fox, Ashbrook, Phœnix Park
Gordon, Samuel, M.D., 13, Hume-street
* Granard, Right Hon. Earl of, Castleforbes, county Longford
Grace, Major Percy Raymond, Boley, Monkstown
Gray, Rev. Thomas T., F.T.C.D., 11, Upper Temple-street
Gray, E. Dwyer, M.P., Prince's-street
* Green, John M., Fernbank, Dundrum
Greene, Thomas, 49, Stephen's-street
* Greer, T., J P., Grove House, Regent's Park, London, N.W.
* Greer, A. J.
* Gregory, Right Hon. W. H., Coole Park, Gort
Griffin, John, 5, Foster-pl., and 29, Leinster-road, Rathmines
* Guinness, Edward Cecil. D.L., J.P., St. Stephen's-green
Hackett, Major W. W., J.P., 34, Lesson-park
Hamerton, J. Taylor, 5, Ailesbury-road, Merrion
Hamilton, J. T., M.D., Brighton-terrace, Monkstown
Hamilton, Edward, M.D., 120, St. Stephen's-green
* Hamilton, Ion Trant, M.P., D.L., Abbotstown
* Hamilton, Miss Sydney, 5, Victoria-terrace, Clontarf
* Harmon, Mrs., Inchicore
Harris, A. W., Alderman, 12, Wellington-road
* Hartington, Most Hon. the Marquess of, 78, Piccadilly, London
Harvey, Reuben, M.B., 7, Upper Merrion-street
* Haughton, Rev. Samuel, M.D., F.R.S., 31, Upper Baggot-st.
Hayden, Thomas, M.D., 18, Merrion-square, north
Hayes, Major, Greenwood, Blackrock, and Dublin Castle

Head, Henry, M.D., 7, Fitzwilliam-square
✠ Henry, Mitchell, M.P., Kylemore, Galway
✠ Henry, F. H., Park-lodge, Straffan, county Kildare
✠ Henshaw, Alfred, Hatherton, Rathmines
Heron, Denis Caulfeild, Q.C., 7, Upper Fitzwilliam-street
✠ Hime, Maurice, M.A., Foyle College, Londonderry
Hillery, M., M.D., 55, Stephen's-green
✠ Hodson, R. A., Hollybrook, Bray
Hogg, Jonathan, Marlay Grange, Rathfarnham
Hogg, P. Thomas, 12, Cope-street
Hone, Brindley, Vevay House, Ballybrack
Houston, Arthur, LL.D., 50, Fitzwilliam-square, west
Hudson, Edward, 55, Pembroke-road
Hughes, James S., M.D., 1, Merrion-square, west
Hull, Edward, M.A., Director of the Geological Survey, Ireland, 5, Raglan-road
✠ Hutton, Thomas Maxwell, J.P., 118, Summerhill
✠ Hutton, Mrs. Thomas Maxwell, 118, Summerhill
✠ Hutton, Lucius O., 8, Fitzwilliam-place
✠ Hyland, James K., 13, Rutland-square, east
Ilbery, George E., St. John's, Island-bridge
Ingram, J. Kells, LL.D., F.T.C.D., 2, Wellington-road
Irvine, Hans, M.B., Sackville-street Club
Jackson, Surgeon-Major R. W., C.B., Royal Infirmary, Phœnix Park
✠ Jacob, Archibald H., M.D., 23, Ely-place
Jameson, Henry, Hermitage, Roebuck
✠ Jameson, James, Airfield, Donnybrook
✠ Jameson, John, St. Marnock's, Malahide
✠ Jameson, William, Montrose, Donnybrook
Jellett, Hewett Poole, Q.C., Upper Pembroke-street
Jellett, Rev. J. H., F.T.C.D., 64, Lower Leeson-street
John, George Andrews, 7, Eustace-street
Johnston, John B., 8, Clyde-road
✠ Johnston, Maziere, 2, Knapton-road, Kingstown
Johnston, George, M.D., 15, St. Stephen's-green, north
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Jones, Sir Thomas, 9, Upper Mount-street
Jury, H., 7, College-green
Kane, John, Leeson-park House
✠ Kane, Sir Robert, F.R.S. Fortlands, Killiney
✠ Kavanagh, Arthur, M.P., Borris House, Carlow
Kaye, W. S. B., LL.D., 16, Gardiner's-place
Kelly, Thomas L., J.P., Lower Gardiner-street
✠ Kelly, Richard W., Cope-street

Kelly, Thomas A., 5, Vesey-place, Kingstown
* Kennedy, Evory, M.D., J.P., Belgard, Clondalkin
Kennedy, Henry, M.D., Rutland-square
Kenny, Joseph E., M.D., 71, Lower Gardiner-street
* Kenny, Matthias, 3, Clifton-terrace, Monkstown
Kidd, George H., M.D., 30, Merrion-square, south
* Kildare, The Most Hon. the Marquess of, Carton, Maynooth
Kinahan, George, Roebuck-park, Dundrum
Kinahan, Edward H., D.L., 11, Merrion-square, north
Kinahan, Thomas W., 24, Waterloo-road
Kirkpatrick, J. Rutherford, M.B , 4, Upper Merrion-street
Kincaid, H., jun., 6, Leinster-street
Knox, Charles, Creagh, Ballinrobe
* Lacy, Miss Frances, Inchicore Lodge
* Lalor, John J., J.P., Drummartin Castle, Dundrum
* Lalor, Mrs., Drummartin Castle, Dundrum
* Latouche, J. W., 27, Bloomfield-avenue
Latouche, William Digges, D.L., J.P., 34, Stephen's-gr., north
Lawson, Right Hon. Mr. Justice, 27, Upper Fitzwilliam-st.
Lee, Robert C., 12, Upper Merrion-street
Le Fanu, William R., Summerhill, Enniskerry
* Leinster, His Grace the Duke of, Carton, Maynooth
Lentaigne, Sir John, D.L., C.B., 1, Great Denmark-street
* Lentaigne, Joseph Nugent, J.P., 1, Great Denmark-street
Lewis, George Wilson, 73, Lower Gardiner-street
Little, James, M.D., 14, Stephen's-green
Little, T. E., M.D., 42, Great Brunswick-street
Littledale, William F., 9, Ormond-quay
Lloyd, John R., 25, Clare-street
Lombard, James Fitzgerald, J.P., South-hill, Rathmines
Lowe, Francis, 35, College-green
* Lurgan, Right Hon. Lord, Brownlow House, Lurgan
Lyle, James Acheson, 13, Pembroke-road
* Lynch, Nicholas, 20, Wicklow-street
* Lyons, Robert D., M.B., M.P., 8, Merrion-square, west
* Lyttle, Rev. Thomas, 54, Tritonville-road, Sandymount
M'Cay, William, F.T.C.D., Trinity College
M'Cann, James, J.P., Simmonscourt, Donnybrook
* Macrory, A. J., Duncairn, Belfast
Macalister, Alexander, M.D., 11, Upper Fitzwilliam-street
* Macartney, J. W. Ellison, M.P., The Palace, Clogher, county Tyrone
Macan, Arthur V., M.B., 29, Lower Baggot-street
* M'Crea, Edward D., 50, William-street
M'Curdy, John, 10, Leinster-street

M'Cullagh, Andrew, 25, Mountjoy-square
* MacDonnell, Alexander, C.E., St. John's. Island-bridge
MacDonnell, John, M.D., Upper Fitzwilliam-street
* MacDonnell, James, 32, Upper Fitzwilliam-street
* MacDonnell, Robert, M.D., F.R.S., 14, Lower Pembroke-st.
MacDonnell, Luke, 4, Merrion-square, east
M'Dermott, Alfred, 43, Fitzwilliam-square
* M'Dowell, Benjamin George, M.D., 5, Merrion-square, south
M'Govern, Thomas, 21, College-green
Macken, James, jun., 2, St. James's-terrace, Clonskeagh
M'Kee, Rev. T. A., 94½, Stephen's-green
M'Kerlie, Colonel, Custom House
* McMaster, Geo., M.A., J.P., Simmonscourt-av., Donnybrook
* Madden, Thomas Walter, Surgeon, 18, Westland-row
Malone, Lawrence, 7, Ely-place
* Malone, Mrs. O'Connor, Bowenstown, Mullingar
Manly, Joseph, 17, Clyde-road
Manders, Richard, J.P., Brackenstown House, Swords
* Mapother, E. D., M.D., 6, Merrion-square, north
Martin, Charles, 12, Fitzwilliam-place
Martin, James, J.P., 26, Fitzwilliam-square
* Martin, Richard, D.L., J.P., 7, Merrion-square, south
Martin, Thomas, North-wall
Mason, Thomas P., M.D., 92, Harcourt-street
Mathews, Jehu, 32, Lower Ormond-quay
May, Right Hon. Lord Chief Justice, 13, Fitzwilliam-square
Megaw, W., 1, Crampton-quay, and 9, Mountjoy-place
Meldon, Charles H., M.P., Newtown House, Blackrock, and 25, Rutland-square
Millar, J. M., Monkstown
Millar, James Stavely, Richview, Rathmines
Millar, Adam, Queen's Park, Monkstown
Mitchell, George, 20, Lower Sackville-street
Mitchell, William, Lisdoogan, Monaghan
Molloy, Arthur, 18, Eustace-street
* Molloy, Very Reverend Dr., Catholic University, St. Stephen's-green, south
* Molyneux, Sir Capel, Bart., Castle Dillon, Armagh
* Monk, Right Hon. Viscount, Charleville, Bray
* Monteagle, Right Hon. Lord, Mount Trenchard, Foynes
* Moore, Robert, H., F.R.C.S.I., 29, Upper Merrion-street
* Moore, Thomas J., Director, Museum, Liverpool
Moore, William F., Kenilworth-terrace, Rathgar
Moore, W. J., Botanic Gardens, Glasnevin
Moran, Edward, M.D., 12, Talbot-street

* Morrogh, Leonard, Fitzwilliam-square
Moyers, Right Hon. G., LL.D., Lord Mayor, Mansion House
Moses, Marcus, Rathley, Ballybrack
Murland, James W., Nutley, Booterstown
Murphy, E. B., 22, College-green
Murphy, Michael, 17, Eden-quay
Murphy, William, Dartry, Rathmines
Murray, Herbert H., Beech Hill, Donnybrook
Murray, J. Marshall, 35, College-green
* Napier, Right Hon. Sir Joseph, Bart., Merrion-square
* Neilson, James, 32, Lower Leeson-street
* Nesbitt, Miss, Leixlip House, Leixlip
Nolan, Edward, 24, Nassau-street
Nolan, Henry P., M.D., Lower Baggot-street
Nolan, William, 24, Nassau-street
Norman, Francis, 16, Gramby-row
Nugent John, M.D., 14, Rutland-square
* O'Brien, Edward William, Cahirmoyle, Newcastle West
* O'Brien, Miss Charlotte, Cahirmoyle, Ardagh, co. Limerick
O'Brien, William, 42, Waterloo-road
* O'Ferrall, James, 3, Gresham-terrace, Kingstown
O'Hagan, John, Q.C., 22, Upper Fitzwilliam-street
O'Hagan, Rt. Hon. Lord, Lord Chancellor, 34, Rutland-sq.
O'Keeffe, Dixon C , Richmond House, Templemore
* Ormond, Most Hon. Marquess of, Kilkenny Castle
Ormsby, Lambert Hepenstall, M.D., 4, Merrion-sq., west
* Palgrave, Charles, 17, Eden-quay
Palmer, Sir Roger, Bart., Kenure Park, Rush
Panton, Arthur, F.T.C., Trinity College
* Parker, Alexander, 46, Rathmines-terrace
Patterson, James, 20, Elgin-road
Pattison, Henry, Druid Lodge, Loughlinstown
Patton, A., M.D., Farnham House, Finglas
* Peebles, Robert W., 9, North Frederick-street
* Peebles, William E., 9, North Frederick-street
Peele, Edward, M.D., 41, Lower Baggot-street
Perrin, Mark, Knockdromin, Rush
Pigot, D. R., 12, Leeson-park
Pigot, Thomas, 4, Wellington-road
Pim, Frederic W., Heathville, Monkstown
Pim, Richard, Stradbrook Hall, Blackrock
Pim, George, Brenanstown, Cabinteely
Pim, Henry, 62, Lower Baggot-street
Pim, Jonatham, William-street
Pim, Joseph Todhunter, Greenbank, Monkstown

Pim, Thomas, J.P., William-street
Pim, Thomas, jun., William-street
Pim, James, jun., Killarney Wood, Bray, and 11, Burgh-quay
Poole, Rev. Hewitt R., F.T C.D., 15, Lower Fitzwilliam-st
✠ Porter, George H., M.D., 3, Merrion-square, north
Power, Sir Alfred, K.C.B., 35, Raglan-road
✠ Powerscourt, Right Hon. Viscount, Powerscourt, Enniskerry
Proud, Nicholas, Leconsfield, Glenageary
Quain, John, 49, Pembroke-road
✠ Rathborne, John G., Dunsinea, Phœnix Park
Reeves, Robert, 5, Fitzwilliam-place
Reeves, Richard S., 17, Merrion-square, east
Reeves, Robert, Barrister, 3, Upper Ely-place
Reside, William, 21, College-green
✠ Riall, Mrs. Arthur, Chantilly, Loughlinstown
Rigby, John, 24, Suffolk-street
Roberts, S. U., C.E., 6, Burlington-road
✠ Robertson, C. John, M.D., District Asylum, Monaghan
Robertson, William, Fitzwilliam-square
Robinson, T. J., 21, College-green
Robinson, William Henry, Aughenarget, Moate
✠ Roe, Henry, jun., D.L., Mount Anville Park, Dundrum
✠ Rowley, Captain Thomas Taylor
Ryan, T. E., 70, Abbey-street
Salmon, Rev. Dr., F.T.C.D., 81, Wellington-road
Sanger, Thomas H., Belgrave-square, Monkstown
Savage, Mrs., Nutley, Donnybrook
Scott, Francis M., J.P., Island-bridge House
Scott, Charles M., M.D., Tower-hill, Dalkey
✠ Scriven, W. B., M.D., 33, St. Stephen's-green
Seale, Edward A., Cottage Park, Kilgobbin
✠ Shackleton, Joseph F., Anna Liffey Mills, Lucan
✠ Shackleton, Abraham, J.P., Clonbrone, Temple-rd., Rathmines
Sheridan, Peter, Granby-row
✠ Shirley, Evelyn J., D.L., Carrickmacoss
Sigerson, George, M.D., 3, Clare street
✠ Sligo, Most Hon. the Marquess of, Westport House, Westport
✠ Smith, Aquilla, M.D., 121, Lower Baggot-street
✠ Smith, Walter G., M.D., 34, Lower Baggot-street
✠ Smyth, Robert, 6 and 7, St. Stephen's-green
✠ Smyth, Edward Webber, 7, St. Stephen's-green
✠ Smyth, Robert William, 3, Seaview-terrace, Donnybrook
Smyly, P. Crampton, M.D., 4, Merrion-square, north
Smyth, George, 81, Pembroke-road
Speedy, Albert O., M.D., 28, North Frederick-street

* Spottiswoode, Lieutenant-Colonel A.
* Stanley, H. R., M.D., Malahide
* Staunton, C. F., M.D.
Steele, Rt. Hon. General, Sir Thos., K.C.B., Royal Hospital
Stein, Mrs., 49, Raglan-road
Stein, R. W., 49, Raglan-road
* Stewart, Alex. J. R., D.L., J.P., Ards House, co. Donegal
Stoker, E. A., M.B., 46, Rutland-square, west
* Stoker, William Thornley, M.D., 16, Harcourt-street
* Stokes, F., J.P., Commercial Buildings, Dame-street
* Stokes, William, M.D., 5, Merrion-square, north
* Stoney, Bindon, C.E., 42, Wellington-road
Stoney, Loftie, M.D., 89, Lower Baggot-street
* Sugrue, Charles, I. H., 4, Belvidere-place
* Sullivan, A. M., M.P., House of Commons, London
Sullivan, E., Right Hon. the Master of the Rolls, Fitzwilliam-place
* Sullivan, W. K., Queen's College, Cork
Swanzy, H. R., M.D., Merrion-square, north
Swanzy, John, 12, Waterloo-road
Sweetman, Patrick, 23, Francis-street
* Sweetman, Walter, 4, Mountjoy-square, north
Symes, George, Burlington House, Burlington-raod
* Talbot de Malahide, Right Hon. Lord, The Castle, Malahide
* Taylor, Moses, Morristown, Newbridge
Taylor, Thomas H., 36, Wellington-road
* Tickell, George, J.P., 18, Mary-street
* Tighe, The Right Hon. W. F., Woodstock, Innistiogue
* Thompson, H. Yates, Ennismore Gardens, Prince's Gate, London
Thompson, Henry, 13, Fitzwilliam-place
Todhunter, Joshua E., 116, Lower Baggot-street
* Toole, Charles, D'Olier-street
Torney, Thomas, M.D., 8, Blackhall-street
* Townsend, Charles Uniacke, 10, Burlington-road
* Traill, Anthony, LL.D., F.T.C.D., Trinity College
Trench, Hon. C., 6, Merrion-square, south
Turbett, Robert E., 3, Bachelors'-walk
Tweedy, Henry, M.D., 16, Rutland-square
* Tyrrell, James, 1, Merrion-square, east
Vance, Thomas, J.P., 9, Bridge-street
* Vandeleur, Colonel C. Moore, Kilrush House, Kilrush
* Vigors, H. M.
Wade, Robert, M.D., 208, Great Brunswick-street
Waller, Edmund W., Brewery, James's-gate, and Dundrum

Walpole, George, 8, Suffolk-street
Walpole, Edward, 8, Suffolk-street
Wardell, J. D., Thorncliffe, Rathgar
✠ Warren, Robert, J.P., 40, Rutland-square
Waterhouse, Samuel, 25, Dame-street
Watson, Henry Stewart, 13, Vesey-place, Kingstown
✠ West, George Aug., Altadore, Blackrock
Westby, E. P., Roebuck Castle, Dundrum
Westropp, W. H. Stackpool, Lisdoonvarna
White, Nicholas C., M.D., 5, Grosvenor-road
✠ White, William, George's-hill, Balbriggan
✠ Whitty, John Irwin, LL.D., 94, Lower Baggot-street
Wigham, Henry, 33, Capel-street
Wigham, J. R., Albany House, Monkstown
✠ Williams, J. E., R.A.
Williams, R. P., 38, Dame-street
Wilson, George Orr, Dunardagh, Blackrock
✠ Wilson, John
Wilson, James, LL.B., 65, Fitzwilliam-square, north
Wilson, Thomas, 65, Fitzwilliam-square, north
Winstanley, James, Drumartin House, Dundrum
Woodlock, Joseph, 42, Dame-street
Woodlock, T., 42, Dame-street
Woodlock, William, 15, Mountjoy-square
✠ Wright, Joseph, Edenvale, Conyngham-road
Wybrants, William Geale, Four Courts
✠ Yeates, Stephen, 2, Grafton-street
Young, Robert F., 34B, College-green

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ANNUAL REPORT

OF

The Royal Zoological Society

OF IRELAND,

FOR THE YEAR ENDED 31ST DECEMBER, 1881.

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1882.

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J. W. MURLAND, M.A.

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Laws and Regulations

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

Chapter I.—THE CONSTITUTION.

1. The Society consists of Ordinary Members, and Honorary Members,

2. The Officers shall be chosen from amongst the Ordinary Members, and shall be—

A President,
Five Vice-Presidents,
A Secretary, and
A Treasurer,

who, together with fifteen other Ordinary Members of the Society, shall constitute the Council.

3. The Officers and Council for each year shall be elected at the Annual General Meeting of the Members of the Society.

4. But in case any Officer, or other Member of the Council, shall die or resign, the Council may appoint a member to supply his place until the next Annual Meeting.

Chapter II.—THE MEMBERS.

1. Every person wishing to become a Member of the Society must be proposed in writing to the Council by one Member of Council, and seconded by another; and upon election and payment of his admission fee, such person shall be a Member of the Society.

2. But he shall not exercise the privileges of a Member until his first year's Subscription is paid in advance.

3. The Admission Fee shall be *One Pound*, the Annual Subscription *One Pound*, and the Composition for life in lieu thereof, *Ten Pounds*.

4. The Annual Subscription shall be due on the first of January in each year, and shall be payable in advance.

5. If the Subscription of any Member is not paid within one year after it is due, he shall cease to be a Member until he shall have paid up his arrears.

6. No person becoming a Member after the first day of October in any year, shall be liable for the Subscription for that year.

7. No person shall exercise the privileges of a Member until he shall have paid his Subscription for the current year.

8. Ladies may be admitted as Members upon the same terms, and with the same privileges, as gentlemen.

9. Members of the Society, and such members of their families as are *bonâ fide* resident with them, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and in the case of Children of Members, the name of the person in charge of them being also signed.

Chapter III.—HONORARY MEMBERS.

1. Distinguished persons may be elected Honorary Members without annual or other payment, by a vote of the Society, at any of its Meetings, upon the previous recommendation, of the Council.

2. Honorary Members shall have the same privileges as other Members, except that of voting at the Meetings.

3. The number of Honorary Members shall be limited to twenty.

Chapter IV.—THE OFFICERS.

The President.

1. The President shall preside at all Meetings of the Society and Council, when present, and shall generally superintend the affairs of the Society.

2. The same person shall not be President for more than five successive years.

3. Ex-Presidents shall continue to be Honorary Members of Council.

Vice-Presidents.

1. Of the five Vice-Presidents, two at least shall go out at each election, but this shall not prevent their continuing Members of Council in another capacity.

2. The Vice-Presidents shall supply the place of the President in his absence.

The Secretary.

It shall be the duty of the Secretary to see to the execution of the rules, orders, and directions of the Society and Council.

The Treasurer.

No money shall be paid by the Treasurer, except upon the written order of the Council, signed by at least three of its Members.

Chapter V.—THE COUNCIL.

1. Three Members shall form a Quorum.

2. The Council shall meet at such times as they themselves shall determine.

3. It shall be the duty of the Council to conduct the business of the Society, subject to the laws and regulations of the Society at large.

4. All questions shall be decided by the majority of voices; and where the numbers are equal, the Chairman shall have a casting voice; but he shall not vote except in such case.

5. The Council may summon a Meeting of the Society for scientific purposes whenever they think fit, stating the object of such Meeting; and at such Meeting no business but that stated in the notice shall be discussed.

6. At least three of the Council shall go out at each election.

7. No member of the Society having any contract with the Society or Council for which payment is to be made, shall be eligible to a seat in the Council in any capacity; and if the name of any member of the Society having a contract with the Society, or receiving any fee or emolument from the Society, shall be found in the Ballot that name shall be set aside by the Chairman, notwithstanding any number of votes that may be appended to it; and if any Member or Officer of the Council enter into any contract with the Society, or receive from it any fee, payment, or emolument, his seat shall become, *ipso facto*, vacant in the Council, and the Council shall immediately summon a Meeting of the Society, to elect a member to the vacant place.

Chapter VI.—ANNUAL MEETING.

The Annual Meeting shall be held on the second Tuesday in January in each year, for the purpose of electing the Council and Officers for the ensuing year, and of hearing the Report of the Council read, and auditing the accounts.

Election of Officers.

1. The Council for the time being shall annually cause to be prepared a list of persons whom they recommend to be Officers and Council for the ensuing year.

2. The list shall distinguish the three or more Members proposed to be removed, and the three or more proposed to be elected in their room, and it shall be transmitted to each Member residing in Dublin, by post, along with the notice of the time and place of the General Meeting, to be sent at least seven days before the day of Meeting.

3. The Chair shall be taken at four o'clock, when the ballot shall commence and continue open for one hour, at the expiration of which time the Chairman shall proclaim that the time had arrived when the ballot should close, and order the porter not to admit any other Members into the room, and then the Chairman shall call on the Members in the room who have not balloted to come forward and ballot, and the scrutiny shall forthwith take place; and those persons to whose names the greater number of marks shall have been affixed, shall be declared duly elected in the order and places in which they stand, provided at least three new Members be elected, but if not, then those of the proposed Members who have the least number of marks shall be rejected, until at least three former Members are excluded, and their places shall be filled by those who have the next greatest number of marks.

4. If two or more names have the same number of marks, the order of preference shall be decided by lot.

General Business.

1. No motion respecting a change in the laws or constitution of the Society shall be discussed or voted upon at the Annual or other meeting, except as hereafter provided, unless notice thereof be given in writing to the Council, at least one month before such Meeting; the Council to give seven days' notice to the Members, as before ordered.

2. But the Council may propose, and bring to the vote, any measure or question, at any of the Meetings of the Society, provided it shall have been under their consideration for at least one month, and that notice thereof be given to the Members in the circular notice of such Meeting, at least seven days previous to the day of Meeting.

Chapter VII.—THE GARDENS.

1. Any person enrolling his name in a book kept at the gate of the gardens, and paying One Pound a year, shall be a Subscriber, and shall have the same privileges of ingress to the Gardens, as a member of the Society.

2. The Council shall have the power of suspending all rights of free entrance to the Gardens upon the day of a public fete, or similar occasion, when such shall be given for the benefit of the society.

3. During frost, the Council shall have power to suspend all privileges of Members and Garden Subscribers, except that of personal admission.

4. The Council shall have power from time to time to vary, as may seem fit to them, the rates of admission to non-subscribers.

The Annual Meeting of the Royal Zoological Society of Ireland was held in the College of Physicians on Tuesday, 10th January, 1882.

Sir JOHN LENTAIGNE, C.B., President,
IN THE CHAIR.

REPORT OF COUNCIL.

It is now fifty years since the Zoological Society of Dublin came into existence; its first President, Secretary, and Treasurer, being Surgeon Philip Crampton, Captain Portlock, and James Pim. From the commencement, the Society aimed at a higher scientific level than it has ever, as yet, attained; and meetings at which questions of Zoology should be discussed were contemplated as part of its proceedings.

The following paragraph, taken from the Second Annual Report, 1834, shows clearly the intentions of the founders.

"Great and important as the immediate concerns of the Society and its Collection assuredly are, the Council has not lost sight of those still higher objects, which, as a literary and scientific body, the Society must necessarily seek to attain. They are, indeed, but a part of the same scheme, the collection being, as it were, an introduction to those exercises of the mind, which the hope of attaining fame through the acquisition of the Medals offered by the Society, will call forth, and a preparation for the full enjoyment of the advantages which its public scientific Meetings must necessarily afford to the enlightened mind."

These bland hopes of Captain Portlock never bore fruit, the Medals of the Society did not stimulate Zoological research, and as time went on, it became evident that the citizens of Dublin were content to limit their ideas of

Zoology, to an exhibition of live animals in cages. The only attempt to acquire fame by means of the Society's Medal, was made by a London naturalist, whose essay was not successful, as the Council naively remark,

"Inasmuch as its reasonings (forcible in themselves) were not sufficiently grounded on direct observation or experiment."

At the close of the fifth year of the existence of the Society (1837) the flagging zeal of the Dublin public was stimulated by an appeal written by the President, PHILIP CRAMPTON, in which he sketches the

"Great chain of animated beings, in which each link becomes more and more complicated as we ascend from the lowest degree of organisation, which imparts an almost doubtful vitality to a gelatinous-like globule, to the highest which gives life and understanding to a Newton."

The Surgeon-General further exalts the dignity of a Zoological Garden by a quotation from Lord BACON:

"Natural knowledge consists in the understanding the properties of creatures, and the names by which they are called. The occupation of Adam in Paradise."

All was in vain: the public apathy could not be stirred up by the gelatinous globule, Sir Isaac Newton, Bacon, or even by the recollection of the occupation of our First Parent, Adam!

In the year 1838, some transient effect was produced by a course of lectures, an example which was followed from time to time, down to the year 1878, when this "forlorn hope" of the Society was again tried, and finally abandoned in despair.

Your Council of to-day, having learned wisdom by experience, are content to report that their large collection of animals is in better condition than at any preceding Anniversary of the Society; that the subscription list is fairly kept up, and that the financial state of the Society is not so deplorable as it has often been in times past.

During the year 1881 the numbers of visiters to the Gardens, and the receipts at the entrance gate were as follows :—

ADMISSION TO ZOOLOGICAL GARDENS, 1881.

Members			...	..	22,877		
Public Institutions				...	3,605		
Visiters' Tickets				...	216		
	s.	d.				£ s.	d.
Visiters at	5	0		...	42	10 10	0
Do. ,,	2	6		...	546	68 5	0
Do. ,,	1	0		...	12,500	625 0	0
Do. ,,	0	6		...	7,080	177 0	0
Schools ,,	0	3		...	1,113	13 18	3
Do. ,,	0	3		...	1,681	21 0	3
Visiters ,,	0	2		...	54,644	455 7	4
Do. ,,	0	1		...	16,483	68 13	7
					120,787	£1,439 14	5

During the preceding year the corresponding numbers were—

Members			...	...	16,095		
Public Institutions				...	3,053		
Visiters' Tickets				...	1,425		
	s.	d.				£ s.	d.
Visiters at	5	0		...	68	17 0	0
Do. ,,	1	0		...	11,639	581 19	0
Do. ,,	0	6		...	5,979	149 9	6
Schools ,,	0	3		...	2,272	28 8	0
Visiters ,,	0	2		...	57,203	476 13	10
Do. ,,	0	1		...	14,993	62 9	5
Books of Admission Tickets						38 0	0
					112,727	£1,353 9	9

The total number of visiters and receipts at gate during the past ten years were as follows :—

Year.	Visiters.	Receipts.
1872	147,184	£1,502 9 10
1873	147,762	1,450 4 3
1874	109,923	1,442 14 4
1875	104,945	1,500 4 8
1876	98,491	1,353 8 7
1877	102,416	1,367 4 10
1878	110,173	1,494 3 4
1879	103,155	1,298 1 5
1880	112,727	1,353 19 9
1881	120.787	1.439 14 5

During the corresponding years the total receipts from Entrance Fees and Subscriptions were as follows :—

Year.	Entrance Fees and Subscriptions.
1872	£496
1873	404
1874	610
1875	429
1876	448
1877	595
1878	580
1879	551
1880	531
1881	724

The receipts from Sunday admissions, during the past ten years, have been :—

1872	£471	14	7
1873	477	1	3
1874	497	8	4
1875	561	10	11
1876	521	8	7
1877	523	6	7
1878	535	10	4
1879	467	13	5
1880	539	3	3
1881	524	0	11

The proportion borne by the receipts from Sunday admissions to the whole receipts at gate are as follows :—

1872	31·4 per cent.
1873	32·9 ,,
1874	34·6 ,,
1875	37·4 ,,
1876	38·6 ,,
1877	42·1 ,,
1878	36·0 ,,
1879	35·9 ,,
1880	40·0 ,,
1881	36·4 ,,

BALANCE SHEET, YEAR ENDING 31ST DECEMBER, 1881.

			£	s.	d.	£	s.	d.
Admission to Gardens—								
Members		22,877						
Public Institutions ..		3,605						
Visiters' Tickets ..		216						
Do.	at 5*s.*	42	10	10	0			
Do.	at 2*s.* 6*d.*	546	68	5	0			
Do.	at 1*s.*	12,500	625	0	0			
Do.	at 6*d.*	7,080	177	0	0			
Do.	at 3*d.*	1,681	21	0	3			
Schools	at 3*d.*	1,113	13	18	3			
Visiters	at 2*d.*	54,644	455	7	4			
Do.	at 1*d.*	16,483	68	13	7			
Total Admission		120,787	£1,439	14	5			
Books of Admission Tickets			2	10	0			
						£1,442	4	5
Government Grant, 1880, One Quarter,			£125	0	0			
,, 1881, Four Quarters,			500	0	0			
						625	0	0
Members' Subscriptions—								
Members			£299	1	0			
Garden			363	2	0			
Life			40	0	0			
Entrance Fees			22	0	0			
						724	3	0
Donations			..		..	122	0	0
Animals Sold			..		..	484	2	8
Incidentals			..		..	7	1	0
Amount of One Deposit Receipt			100	0	0			
Interest			0	9	4			
						100	9	4
						£3,505	0	5

		£	s.	d.
Due to Bank from last account		241	4	2
Purchase of Fish for Aquarium		1	0	0
Do. Two Tapirs, amount of Dr. Barry's Donation		100	0	0
Do. of Animals		289	4	6
Expenses of Tiger from India, and Carriage of Animals, and Travelling Expenses of Superintendent and Keepers		107	7	3
Provisions of Animals		1,003	18	10
Incidentals, including Printing, Advertisements, Men's Clothing, &c.		137	2	2
Coal and Coke		92	11	6
Salaries and Wages		743	4	8
Buildings and Plantations		174	13	1
Water Rate per Meter		76	18	4
Cost of Promenades—Bands		45	4	0
Fire Insurance		0	15	0
Expenses connected with Ice		69	10	1
Amount lodged on Deposit Receipt ..	£100 0 0 65 0 0 120 0 0	285	0	0
Balance in Bank ..	£111 11 3			
Less Cheque not gone in	2 15 6			
	£108 15 9			
Cash in hands ..	28 11 1	137	6	10
		£3,505	0	5

I have examined the above accounts, compared the several entries, and find the balance in Bank to credit of the Society to be £111 11*s.* 3*d.*

9th February, 1882.

JOHN J. LALOR.

APPENDIX.

RETURN OF ANIMALS ADDED

TO THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

DURING THE YEAR 1881.

ANIMALS.	PRESENTED BY
1 Green Tree Frog	Miss Warren, 12, Fitzwilliam-sq., East
1 Pouched Frog	
3 Mallards	T. W. Rawson, Athy
1 Wigeon	
1 Tiger	His Royal Highness the Ragah of Purtaghur
1 Green Monkey	The Rev. Thos. Evans, Cork
1 Kestrel Hawk	M. Lane, Esq., Dundrum
1 Ichneumon	Dr. Traill, Trinity College, Dublin
1 Badger	Major Kingscote, Clara
1 Fat Tailed Sheep	Capt. Smith, Peperstown, Drogheda
1 Boa Constrictor	Dr. Harte, 71, St. Stephen's-green
1 Python	
2 Paradoxurus	
1 Civet Cat	
4 Tortoises	
1 Sparrow Hawk	Master W. Burne, 38, Westland-row
1 Kestrel	A. Boxer, Esq., Irish Lights
1 Sleeping Lizard	W. W. Clover, Esq., Commercial Buildings
1 Rhesus Monkey	J. R. Byrne, New Ross
1 Australian Wild Cat	Vere H. Brown, Oakland Villas Rathgar
1 Rosa Cockatoo	Mrs. Wilmot, 33, Lr. Baggot-street
1 Barbary Ape	Dr. Swan, 31, Molesworth-street
2 Peregrine Falcons	J. Rourke, The Moy Hotel, Ballina
2 Kestrels	R. J. Mahony, Dromore Castle, Kenmare, Co. Kerry
2 Sparrow Hawks	
Herring Gulls	Wm. Ryan, Amiens-street

ANIMALS.	PRESENTED BY
4 Pythons	W. Cross, Liverpool
2 Tufted Tailed Porcupines	
2 Squirrels	
1 Civet Cat	
1 Blotched Genett	
1 Curlew	C. Begg, Esq., Beggsboro, Cabra
1 Otter	Richardson, Esq., Tyaquin, Galway
2 Kestrels	A. Shackleton, Esq., Rathmines
2 Goshawks	C. G. May, Esq., Co. Leitrim
2 Silver Pheasants	Major Irwin, Kingstown
1 Heron	W. C. W. Snow, Ipswich
3 Hedgehogs	G. Tyrrell, Esq., Co. Kildare
14 White Mice	Mather Bowen, Esq., Delgany
1 Great Northern Diver	T. M. Sinclair, Esq., Inver, Donegal
1 Kangaroo	Dr. Tynor, Downpatrick
1 Swinhoe's Deer	W. Corbett, Esq., Green Hall, Co. Cork
1 Cormorant	Mr. John Rush, Gregg's-lane
1 Arctic Fox	Dr. Barrington
2 South American Tapirs	Dr. Barry

ANIMALS PURCHASED.

2 Rhesus Monkeys
1 Bison Cow
1 Mouse Deer
6 Seals
12 Green Parrakeets
10 Rosa Cockatoos
6 Corillas
4 Pheasants
6 Mandrills
6 Sooty Monkeys
1 Ringtail Monkey
3 Marmosets Monkeys
1 Llama
1 Indian Snake
1 Pine Martin
1 Macaw
2 Leucoryx Antelopes

ANIMALS BORN IN GARDENS DURING THE YEAR 1881.

4 Lion Cubs
2 Himalayan Bears
2 Ocelots
1 Monkey
3 Red Deer
1 Leopard Cub
7 Partridges

List of Members

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

HONORARY MEMBERS.

Bell, Professor, F.R.S., Selborne

Carus, M. Victor, Museum, Leipsic

Gould, John, F.R.S., 26, Charlotte-st., Bedford-square, London

Jenyns, the Rev L., F.R.S.

Jones, Professor Rymer, F.R.S., King's College, London

Just, Wm., Pacific Steam Navigation Company, Liverpool

Lea, Isaac, LL.D., Philadelphia

Leech, Colonel, R.E., Highgate, London

Mayo, Right Hon. the Earl of, Palmerstown House, Naas

Montgomery, General G. S., H.M. Indian Army, C.S.I., Fort Royal, Rathmullen

Owen, Professor, F.R.S., British Museum, London

Rupell, M. M., Frankfort

Sclater, P. Lutley, Ph.D., F.R.S., Secretary, London Zoological Society

Trevelyan, Sir Charles, K.C.B., Indian Service

King, Charles Croker, M.D., 34, Upper Fitzwilliam-street

CORRESPONDING MEMBERS.

James Armstrong, M.B., 8, Leeson-park

William Armstrong, Surgeon-Major, Curragh Camp

Colonel Collingwood, 21st Fusiliers

William Corbet, Green Hall, Rathcormack, county Cork

John P. Denton, jun., West Hartlepool

George S. Dobson, Assistant Staff Surgeon, India, Royal Victoria Hospital, Netley, Southampton

Dr. Doyle, Assistant Surgeon, "Serapis"

Col. Dwyer, 1st Battalion 14th Regiment

Hon. H. Fitzgerald, Trinidad

J. B. Hamilton, Esq., M.D., Royal Artillery, Surgeon-Major

His Excellency J. Pope Hennessy

Henry Thomas Henry, M.D., Bathurst, Gambia, West Africa

J. J. Lamprey, M.D., 2nd West Indian Regt., Cape Coast Castle

E. C. Markey, Esq., M.D., Surgeon-Major, India

James McCreery, Surgeon-Major

F. A. Montgomery Moore, late 1st West India Regt.

C. B. Mosse, Surgeon-Major, Kingston, Jamaica

Capt. Joseph Nelson, Ship "Parsee," 4, Eglinton-ter., Ranelagh

J. M. Price, Surveyor-General, Hong-Kong

Captain Seymour, Chief Commissioner of Police, Queensland

E. Guy Selby Smyth, Sunbury-on-Thames

Rev. John MacG. Ward, Chaplain, R.N., H.M.S. "Topaze," Kingstown

Dr. Samuel Warren, 55, Park Avenue, Sandymount

N. W. Fitzgerald, 33, Queen-street, Melbourne

LIFE AND ANNUAL MEMBERS.

✠ Indicates Life Members.

✠ His Excellency Earl Cowper, K.G., Lord Lieutenant of Ireland, Dublin Castle
✠ Her Excellency The Countess Cowper, Dublin Castle
✠ The Right Hon. The Earl Spencer
✠ His Grace the Duke of Abercorn
✠ The Right Hon. The Earl of Kimberley
✠ His Grace the Duke of Marlborough
Abraham, Plim S., 5 Clare-strest
Alexander, Alfred J., Richmond-villa, Monkstown
Alexander, William, 10, Belgrave-square, Monkstown
Allen, Charles, V.S., 35, North Frederick-street
✠ Allen, Henry J., Fern Dene, Stradbrook, Blackrock
✠ Allen, Richard Purdy, 48 Pall Mall, London, S.W.
Allen, Richard, 28, Lower Sackville-street
✠ Annally, Lord, Woodlands, Clonsilla
Andrews, Henry, Hastings, Blackrock
✠ Archer, Wm., F.R.S., St. Brendan's, Grosvenor-rd., Rathmines
✠ Ardilaun, Right Hon. Lord, St. Anne's, Clontarf
✠ Ardilaun, The Lady, St. Anne's, Clontarf
Armstrong, G. R., King's Hospital, Blackhall-place
✠ Arthur, Lieutenant-Colonel
Athill, Lombe, M.D., F.R.C.S., Rotunda Hospital, Rutland-sq.
✠ Atkinson, John, Ely-place
Babington, William, D.A., 1 Roby-place, Kingstown
Bagot, John, J.P., 28, William-street
Baily, John, C.E., 3 Blackhall-place
✠ Ball, J. B., 12, Merrion-square, east
✠ Ball, Robert Stawell, LL.D., Observatory, Dunsink
✠ Ball, Valentine, 1, Raglan-road
✠ Bangor, Right Hon. Lord, Castleward, Downpatrick
✠ Banks, John T., M.D., 11, Merrion-square, east
✠ Barker, H. O., LL.D., 6, Gardiner's-row
✠ Barker, Richard Oliver, 6, Gardiner's-row
✠ Barker, William Oiiver, M.D., 6, Gardiner's-row
Barlow, Captain John, 2, Belfast-terrace
Barrington, Sir Croker, Bart., 60, Fitzwilliam-square, north
Barrington, Sir John, Knt., D.L., J.P., St. Anne's, Killiney
✠ Barrington, R. M., Fasseroe, Bray
Barry, John E., 12, Mountjoy-square, north
✠ Barter, Rev. J. B.

Barton, Freeman, 38, Upper Fitzwilliam-street
Barton, Henry M., 4, Foster-place
Barton, John K., M.D., 24, Lower Fitzwilliam-street
Baxter, Charles Patrick, M.D., 66, Lower Baggot-street
✠ Beach, Sir M. E. Hicks, M.P., Portman-square, London
✠ Beaney, J. G., M.D., Melbourne
Bennett, Edward H., M.D., 26, Lower Fitzwilliam-street
Bennet, James C., Ellerslie, Temple-road, Rathmines
Bentham, William, 66, Upper Sackville-street
✠ Bewley, Samuel, J.P., 6, Dame-street
✠ Bewley, Samuel, junior, 6, Dame-street
✠ Black, William Fleming, 27, Eccles-street
✠ Blood, Bagot, 38, Wellington-road
✠ Blood, J. L. H., Longford-terrace, Monkstown
Blood, Frederick, Mountjoy Brewery
✠ Bolton, S. H., J.P., Grove House, Rathmines-road
✠ Bookey, Mrs. William, Beauchamp, Bray
✠ Bomford, George, Oakley Park, Kells
Boyd, R. Macrory, Walworth, Grand Canal
Boyd, Samuel, J.P., Shanganagh Park, Loughlinstown
Boyle, Richard W., J.P., College-green
Brady, Thomas F., 11, Percy-place
✠ Brady, Maziere, J., 2, Wilton-place
Brady, James, M.D., 38, Harcourt-street
✠ Bridgeford, W. B., 148, Sackville-street
✠ Brooke, Sir Victor, Bart., Colebrook, Brookboro'
✠ Brooks, Maurice, M.P., Sackville-place
✠ Brooks, M., jun., Gresham-terrace, Kingstown
✠ Browne, R. C., Viewmount, Carlow
Browne, Robert, M.D., Largo House, Rathmines
Browne, Vere Ward, Oakland Villas, Rathgar
Browne, Mrs., 8, Merrion-square, north
Brunker, James E., Rostellan, Temple-road, Rathmines
Burke, Edward F., 16, Bachelor's-walk
✠ Burke, T. H., Under Secretary, Dublin Castle
Burke, William, 1, Clanwilliam-place
✠ Burke, Sir Bernard (Ulster), Dublin Castle
✠ Burton, Decimus, F.R.S., 37, Gloucester Gardens, Bayswater, London
Butler, E., 3, Eaton-place, Monkstown
✠ Butler, Lord James, 18, Rutland-square, north
Byrne, John A., M.D.. 37, Westland-row
Callwell, Nathaniel, 39, Fitzwilliam-place
Cameron, C. A., M.D., Pembroke-road
Campbell, Alderman, Mountjoy-square

Cannon, Edward, Kenilworth-square, Rathgar
Carleton, James Crichton, 62, Northumberland-road
* Carlingford, Right Hon. Lord, Carlton Gardens, London
* Carpenter, Arundel, 125, Leinster road
Carroll, Coote Alexander, Boston Spa, Tadcaster, Yorkshire
* Carson, Rev. Joseph, D.D., F.T.C.D., Trinity College
* Carte, William, M.D., J.P., Royal Hospital
* Carte, William Alexander, Military-road
Casey, Robert, Montpelier House, Monkstown
* Cavendish, Lord Edward, Devonshire House, Piccadilly, London
Chambre, John, 45, Mountjoy-square
* Charlemont, Right Hon. the Earl of, Roxborough, Moy
Chatterton, Right Hon. the Vice-Chancellor, Newpark, Newtown Park-avenue, Blackrock
Chatterton, Abraham T. ,10, Clyde-road
Clibborn, James, Woodville, Sandford
Cloncurry, Lady, Maretimo, Blackrock
* Close, H. W., Bank, Henry-street
* Close, S. H., Bank, Henry-street
Close, Rev. M, H., 38, Lower Baggot-street
Colles, G. C., 8, Kildare-street
Colles, William, M.D., 21, St. Stephen's-green
Collins, Thomas, M.D., 48, William-street
Colville, James C., Coolock House, Raheny
Connolly, Lieut.-Col., V.C., 21, Rutland-square
* Connor, John, Anatomical Museum, Trinity College
Copland, Charles, Longford-terrace, Monkstown
Copland, J. W., Northumberland-road
Corbet, Daniel, 12, Clare-street
Corley, A. H., M.D., 30, Baggot-street
* Cornwall, Gustavus, 17, Harcourt-street
* Cornwall, Robert, 36, Rutland-square
Crawley, W. J. Chetwode, LL.D., F.G.S., 66, Mountjoy-sq., west
Cotton, Charles P., C.E., Ryecroft, Bray
Courtney, William M'Dougall, 4, Prince Patrick-terrace, North Circular-road
* Cowper, Henry A., 29, Fitzwilliam-place
Crampton, Sir John, Bart., Bushy Park, Enniskerry
* Creed, James, M.D., Assistant-Surgeon, 2nd Battalion 20th Regiment, 176, Rathgar-road
Cruise, Francis R., M.D., 93, Merrion-square, west
* Cusack, Sir Ralph S., J.P., Furry Park, Raheny
D'Arcy, Matthew P., D L., 6, Merrion-square, east
Dickie, W. D., 41, Wellington-quay
Dillon, V. B., 7, Rutland-square

Dixon, G. Yeates, 4, Earlsfort-terrace
Dolling, Caledon, 34, Mountjoy-square
✠ Dowse, Richard, Right Hon. Baron, 38, Mountjoy-square
Drumm, Thomas, 4, Sackville-place
DuBedat, Francis F., 2, Foster-place
DuBedat, W. G., J.P., Ailesbury-road, Merrion
Dudgeon, H. James, 113, Grafton-street
Duffey, G. F., M.D., 30, Fitzwilliam-place
✠ Dufferin, Right Hon. the Earl of, Clandeboye, co. Down
✠ Dunally, Dowager Lady, Belgrave-square, Monkstown
Dunne, D. B., Ph.D., 4, Clanwilliam-place
✠ Dunnill, Benjamin, 1, Clifton-place, Monkstown
Edmundson, Joshua W., Capel-street
✠ Ellis, George, M.D., 91, Leeson-street
Elrington, J. F., LL.D., Carrickbrennan House, Monkstown
Enniskillen, Right Hon. Earl of, Florence-court
✠ Evatt, Robert B., D.L., Mount Louisa, Monaghan
✠ Farquharson, Robert, Munster Bank, Dame-street
✠ Farrell, E. Walter, 3, Merrion-square, east
✠ Farrell, James, 3, Merrion-square, east
✠ Faulkiner, Bolton W., late Captain, 95th Regiment, Pau
Fennell, Hugh James, 8 Bushfield terrace, Donnybrook
Fennell, Joshua G., 7, Longford-place, Monkstown
Ferguson, John R., A.M., M.B., 20, Sherrard-street, upper
Fetherston, S. H. Radcliffe, 17, Eccles-street
✠ Findlater, John, Melbeach, Monkstown, co. Dublin
✠ Findlater, William, 22, Fitzwilliam-square
Fitzgerald, Right Hon. Mr. Justice, Merrion-square, east
✠ Fitzgerald, Thomas, 22, Fitzwilliam-place
✠ Fitzgibbon, Gerald, Right Hon. Lord Justice of Appeal, 10, Merrion-square, north
Fitzgibbon, Henry, M.D., J.P., 18, Lower Fitzwilliam-street
Fitzsimon, Francis, 15, Bridgefoot-street
Flanagan, Right Hon. Stephen Woulfe, Judge, Landed Estates Court, 20, Fitzwilliam-place
Foot, Arthur Wynne, M.D., 49, Leeson-street
✠ Forrest, J. K., M.D., 13, Clare street
Forrest, James, Grafton-street
Forster, John, St. Mary's, Temple-road, Rathmines
Fottrell, Edward, J.P., 46, Fleet-street
Fottrell, George, jun., 8, Great George's-street, north
Galbraith, Rev. Joseph A., F.T.C., Trinity College
Gardner, Robert, Ashley, Clyde-road
✠ Garstin, J. Ribton, Braganstown, Castlebellingham
Gerrard, Thomas, 11, Oakland villas, Rathgar

Gerrard, John Netterville, Barrister, 86, Lower Baggot-street
Gibson, Rt. Hon. Edward, M.P., 23, Fitzwilliam-square
Gill, Henry Joseph, M.P., Roebuck, county Dublin
Gogarty, H. J. K., M.D., 5, Rutland-square
Goodbody, Jonathan, jun., 43, Dame-street
Goodbody, Robert, 8, Fitzwilliam-square
Goodman, John Fox, Ashbrook, Phœnix Park
Gordon, Samuel, M.D., 13, Hume-street
* Granard, Right Hon. Earl of, Castleforbes, county Longford
Grace, Major Percy Raymond, Boley, Monkstown
Gray, E. Dwyer, M.P., Pembroke House, Herbert-street
* Green, John M., Fernbank, Dundrum
Greene, Thomas, 49, Stephen's-street
* Greer, T., J.P., Grove House, Regent's Park, London, N.W.
* Greer, A. J.
* Gregory, Right Hon. W. H. Coole Park, Gort
Griffin, John, 5, Foster-place, and 29, Leinster road, Rathmines
* Guinness, Edward Cecil, D.L., J.P., St. Stephen's-green
Hackett, Major W. W., J.P., 34, Lesson-park
Haddon, Alfred, College of Science, St. Stephen's-green
Hamerton, J. Taylor, 5, Ailesbury-road, Merrion
Hamilton, J. T., M.D., Brighton-terrace, Monkstown
Hamilton, Edward, M.D., 120, St. Stephen's-green
* Hamilton, Ion Trant, M.P., D.L., Abbotstown
* Hamilton, Miss Sydney, 5, Victoria-terrace, Clontarf
Hancock, W. J., Synnot place
* Harmon, Mrs., Inchicore
Harris, A. W., Alderman, 12, Wellington-road
* Hartington, Most Hon. the Marquess of, 78, Piccadilly, London
* Haughton, Rev. Samuel, M.D., F.R.S., 31, Upper Baggot-st.
Hayes, Major, St. James's-terrace, Malahide
Head, Henry, M.D., 7, Fitzwilliam-square
* Henry, Mitchell, M.P., Kylemore, Galway
* Henry, F. H., Park-lodge, Straffan, county Kildare
* Henshaw, Alfred, Hatherton, Rathmines
* Hime, Maurice, M.A., Foyle College, Londonderry
* Hodson, R. A., Hollybrook, Bray
Hoey, Edward J., 22, College-green
Hogg, Jonathan, Marlay Grange, Rathfarnham
Hogg, P. Thomas, 12, Cope-street
Hone, Brindley, Vevay House, Ballybrack
* Hone, N. Seafield, Malahide
Houston, Arthur, LL.D., 50, Fitzwilliam-square, west
Hudson, Edward, 55, Pembroke-road
Hughes, James S., M.D., 94, Merrion-square, west

Hull, Edward, M.A., Director of the Geological Survey, Ireland, 5, Raglan-road
* Hutton, Thomas Maxwell, J.P., 118, Summerhill
* Hutton, Mrs. Thomas Maxwell, 118, Summerhill
* Hutton, Lucius O., 8, Fitzwilliam-place
* Hyland, James K., 13, Rutland-square, east
Ilbery, George E., St. John's, Island-bridge
Ingram, J. Kells, LL.D., F.T.C.D., 2, Wellington-road
Irvine, Hans, M.B., Sackville-street Club
Jackson, Surgeon-Major R. W., C.B., Royal Infirmary, Phœnix Park
* Jacob, Archibald H., M.D., 23, Ely-place
Jameson, Henry, Hermitage, Roebuck
* Jameson, James, Airfield, Donnybrook
* Jameson, John, St. Marnock's, Malahide
* Jameson, William, Montrose, Donnybrook
Jellett, Hewett Poole, Q.C., Upper Pembroke-street
Jellett, Rev. J. H., Provost Trinity College, Provost's House
John, George Andrews, 7, Eustace-street
* Johnston, Maziere, 2, Knapton-road, Kingstown
Johnston, George, M.D., 15, St. Stephen's-green, north
* Jones, John, 6, Dawson-street
Jones, Sir Thomas, 9, Upper Mount-street
Jury, H., 7, College-green
Kane, John, Leeson-park House
* Kane, Sir Robert, F.R.S., Fortlands, Killiney
* Kavanagh, Arthur, M.P., Borris House, Carlow
Kaye, W. S. B., LL.D., 16, Gardiner's-place
Kelly, Thomas L., J.P., Lower Gardiner-street
* Kelly, Richard W., Cope-street
Kelly, Thomas A., 5, Vesey-place, Kingstown
* Kennedy, Evory, M.D., J.P., Belgard, Clondalkin
Kennedy, Henry, M.D., Rutland-square
Kenny, Joseph E., M.D., 71, Lower Gardiner-street
* Kenny, Matthias, 3, Clifton-terrace, Monkstown
Kidd, George H., M.D., 30, Merrion-square, south
* Kildare, The Most Hon. the Marquess of, Carton, Maynooth
Kinahan, George, Roebuck-park, Dundrum
Kinahan, Edward H., D.L., 11, Merrion-square, north
Kinahan, Thomas W., 24, Waterloo-road
Kirkpatrick, J. Rutherford, M.B., 4, Upper Merrion-street
Kincaid, John Henry, J.P., 6, Leinster-street
Knapp, W. H., Wellington-lodge, York-road, Kingstown
Knox, Charles, Creagh, Ballinrobe
* Lacy, Miss Frances, Inchicore Lodge

* Lalor, John J., J.P., Drummartin Castle, Dundrum
* Lalor, Mrs., Drummartin Castle, Dundrum
* Latouche, J. W., 27, Bloomfield-avenue
Latouche, William Digges, D.L., J.P., 34, Stephen's-green, north
Lawson, Right Hon. Mr. Justice, 27, Upper Fitzwilliam-street
Lee, Robert C., 12, Upper Merrion-street
Le Fanu, William R., Summerhill, Enniskerry
* Leinster, His Grace the Duke of, Carton, Maynooth
Lentaigne, Sir John, D.L , C.B., 1, Great Denmark-street
* Lentaigne, Joseph Nugent, J.P., 1, Great Denmark-street
Little, James, M.D., 14, Stephen's-green
Little, T. E., M.D., 42, Great Brunswick-street
Littledale, William F., 9, Ormond-quay
Lloyd, John R., 25, Clare-street
Lombard, James Fitzgerald, J P., South-hill, Rathmines
Longworth, T. F. Dames, Q.C., 21, Herbert-street
Lowe, Francis, 35, College-green
Lyle, James Acheson, 13, Pembroke-road
* Lynch, Nicholas, 20, Wicklow-street
* Lyons, Robert D., M.B., M.P., 8, Merrion-square, west
* Lyttle, Rev. Thomas, 54, Tritonville-road, Sandymount
M'Cay, William, F.T.C.D., Trinity College
M'Cann, James, J.P., Simmonscourt, Donnybrook
Macalister, Alexander, M.D., 11, Upper Fitzwilliam-street
* Macartney, J. W. Ellison, M.P., The Palace, Clogher, county Tyrone
Macan, Arthur V., M.B., 29, Lower Baggot-street
* M'Crea, Edward D., 50, William-street
M'Curdy, John, 10, Leinster-street
M'Cullagh, Andrew, 25, Mountjoy-square
* MacDonnell, Alexander, C.E., St. John's, Island-bridge
MacDonnell, John, M.D., Upper Fitzwilliam-street
* MacDonnell, James, 32, Upper Fitzwilliam-street
* MacDonnell, Robert, M.D., F.R.S., 89, Merrion-square
MacDonnell, Luke, 4, Merrion-square, east
M'Dermott, Alfred, 43, Fitzwilliam-square
* M'Dowell, Benjamin George, M.D., 5, Merrion-square, south
M'Govern, Thomas, 21, College-green
Macken, James, 2, St. James's-terrace, Clonskeagh
M'Kee, Rev. T. A., 94½, Stephen's-green
M'Kerlie, Colonel, Custom House
* McMaster, Geo., M.A., J.P., Simmonscourt-av., Donnybrook
* Madden, Thomas Walter, Surgeon, 18, Westland-row
Malone, Lawrence, 7, Ely-place
* Malone, Mrs. O'Connor, Bowenstown, Mullingar

Manly, Joseph, 17, Clyde-road
Manders, Richard, J.P., Brackenstown House, Swords
✠ Mapother, E. D., M.D., 6, Merrion-square, north
Martin, Charles, 12, Fitzwilliam-place
✠ Martin, Richard, D.L., J.P., 7, Merrion-square, south
Martin, Thomas, North-wall
Mason, Thomas P., M.D., 92, Harcourt-street
Mathews, Jehu, 32, Lower Ormond-quay
May, Right Hon, Lord Chief Justice, 13, Fitzwilliam-square
Megaw, W., 9, Mountjoy-place
Millar, J. M., Monkstown
Millar, James Stavely, Richview, Rathmines
Millar, Adam, Queen's Park, Monkstown
Mitchell, George, 20, Lower Sackville-street
Mitchell, Robert, 21, Leeson Park
Molloy, Arthur, 18, Eustace-street
✠ Molloy, Very Reverend Dr., Catholic University, St. Stephen's-green, south
✠ Molyneux, Sir Capel, Bart., Castle Dillon, Armagh
✠ Monck, Right Hon. Viscount, Charleville, Bray
✠ Monteagle, Right Hon. Lord, Mount Trenchard, Foynes
✠ Moore, Robert, H., F.R.C.S.I., 29, Upper Merrion-street
✠ Moore, Thomas J., Director, Museum, Liverpool
Moore, William F., Kenilworth-terrace, Rathgar
Moore, W. J., Botanic Gardens, Glasnevin
Moran, Edward, M.D., 12, Talbot street
✠ Morrogh, Leonard, Fitzwilliam-square
Moyers, George, LL.D., 8 Vesey-place, Monkstown
Moses, Marcus, Rathley, Ballybrack
Mulroney, William, Hazlewood, Dundrum
Murland, James W., Nutley, Booterstown
Murphy, E,B., 22, College-green
Murphy, Michael, 17, Eden-quay
Murphy, William, Dartry, Rathmines
Murray, Herbert H., Beech Hill, Donnybrook
Murray, J. Marshall, 35, College-green
✠ Napier, Right Hon. Sir Joseph, Bart., Merrion-square
✠ Neilson, James, 32, Lower Leeson-street
✠ Nesbitt, Miss, Leixlip House, Leixlip
Nolan, Edward, J.P., 24, Nassau-street
Nolan, William, 24, Nassau-street
Norman, Francis, 16, Gramby-row
Nugent, John, M.D., 14, Rutland-square
✠ O'Brien, Edward William, Cahirmoyle, Newcastle West
✠ O'Brien, Miss Charlotte, Cahirmoyle, Ardagh, co. Limerick

O'Brien, William, 42, Waterloo-road
* O'Ferrall, James, 3, Gresham-terrace, Kingstown
O'Hagan, John, Judge Land Commission, 22, Up. Fitzwilliam-st.
O'Hagan, Rt. Hon. Lord, K.P., 34, Rutland-square
O'Keeffe, Dixon C., Richmond House, Templemore
* Ormond, Most Hon. Marquess of. Kilkenny Castle
Ormsby, Lambert Hepenstall, M.D., 4, Merrion-square, west
* Palgrave, Charles, 17, Eden quay
Palmer, Sir Roger, Bart., Kenure Park, Rush
Panton, Arthur, F.T.C., Trinity College
* Parker, Alexander, 46, Rathmines-terrace
Patterson, James, 20, Elgin-road
Pattison, Henry, Druid Lodge, Loughlinstown
Patton, A., M.D., Farnham House, Finglas
* Peebles, Robert W., 9, North Frederick-street
* Peebles, William E., 9, North Frederick street
Perrin, Mark, Knockdromin, Rush
Pigot, D. R., 12, Leeson-park
Pigot, Thomas, 4, Wellington-road
Pim, Frederic W., Heathville, Monkstown
Pim, Richard, Stradbrook Hall, Blackrock
Pim, George, Brenanstown, Cabinteely
Pim, Jonathan, William-street
Pim, Joseph Todhunter, Greenbank, Monkstown
Pim, Thomas, William-street
Pim, Thomas, jun., William-street
Pim, James, jun., Killarney Wood, Bray
Poole, Rev. Hewitt R., F.T.C.D., 15, Lower Fitzwilliam-street
* Porter, George H., M.D., 3, Merrion-square, north
Power, Sir Alfred, K.C.B., 35, Raglan-road
* Powerscourt, Right Hon. Viscount, Powerscourt, Enniskerry
Proud, Nicholas, Leconsfield, Glenageary
Quain, John, 49, Pembroke-road
* Rathborne, John G., Dunsinea, Phœnix Park
Reeves, Robert, 5, Fitzwilliam-place
Reeves, Richard S., 17, Merrion-square, east
Reeves, Robert, Barrister, 3, Upper Ely-place
Reside, William, 21, College-green
* Riall, Mrs Arthur, Chantilly, Loughlinstown
Rigby, John, 24, Suffolk-street
Roberts, S. U., C.E., 6, Burlington-road
* Robertson, C. John, M.D., District Asylum, Monaghan
Robertson, William, Fitzwilliam-square
Robinson, T. J., 21, College-green
Robinson, William Henry, Aughenarget, Moate

✠ Roe, Henry, D.L., Mount Anville Park, Dundrum
✠ Rowley, Captain Thomas Taylor
Salmon, Rev. Dr., F.T.C.D., 81, Wellington-road
Sanger, Thomas H., Belgrave-square, Monkstown
Savage, Mrs., Nutley, Donnybrook
Scott, Francis M., J.P., Island Bridge House
Scott, Charles M., M.D., Tower-hill, Dalkey
✠ Scriven, W. B., M.D., 33, St. Stephen's-green
Seale, Edward A., Cottage Park, Kilgobbin
✠ Shackleton, Joseph F., Anna Liffey Mills, Lucan
✠ Shackleton, Abraham, J.P., Clondarragh, Foxrock
✠ Shirley, Evelyn J., D.L., Carrickmacross
Sigerson, George, M.D., 3, Clare-street
✠ Sligo, Most Hon. the Marquess of, Westport House, Westport
✠ Smith, Aquilla, M.D., 121, Lower Baggot-street
✠ Smith, Walter G., M.D., 34, Lower Baggot-street
✠ Smyth, Robert, 6 and 7, St. Stephen's-green
✠ Smyth, Edward Webber, 7, St. Stephen's-green
✠ Smyth, Robert William, 3, Seaview terrace, Donnybrook
Smyly, P. Crampton, M.D., 4, Merrion-square, north
Smyth, George, 81, Pembroke-road
Speedy, Albert O., M.D., 28, North Frederick-street
✠ Spottiswoode, Lieutenant-Colonel A.
✠ Stanley, H. R., M.D., Malahide
✠ Staunton, C. F., M.D.
Steele, Right Hon. General Sir Thos, K.C.B., Royal Hospital
Stein, Mrs., 49, Raglan-road
Stein, R. W., 49, Raglan-road
✠ Stewart, Alexander J. R., D.L., J.P., Ards House, co. Donegal
Stoker, E. A., M.B., 46, Rutland-square, west
✠ Stoker, William Thornley, M.D., 16, Harcourt-street
✠ Stokes, F., J.P., Commercial Buildings, Dame-street
✠ Stokes, William, M.D., 5, Merrion-square north
✠ Stoney, Bindon, C.E., 42, Wellington-road
Stoney, Loftie, M.D., 89 Lower Baggot-street
Story, J. B., M.B., 24, Lower Baggot-street
✠ Sugrue, Charles I. H., 4, Belvidere-place
✠ Sullivan, A. M., London
Sullivan, Right Hon. Sir Edward, the Master of the Rolls, Fitzwilliam-place
✠ Sullivan, W. K., Queen's College, Cork
Swanzy, H. R., M.D., Merrion-square, north
Sweetman, Patrick, 23, Francis-street
✠ Sweetman, Walter, 4, Mountjoy-square, north
Symes, George, Burlington House, Burlington-road
✠ Talbot de Malahide, Right Hon. Lord, The Castle, Malahide

* Taylor, Moses, Morristown, Newbridge
Taylor, Thomas H., 36, Wellington-road
* Tickell, George, J.P., 18, Mary-street
* Tighe, The Right Hon. W. F., Woodstock, Innistiogue
* Thompson, H. Yates, Ennismore Gardens, Prince's Gate, London
Thompson, Henry, 13, Fitzwilliam-place
* Toole, Charles, D'Olier-street
Torney, Thomas, M.D., 8, Blackhall-street
* Townsend, Charles Uniacke, 10, Burlington-road
Townsend, William Uniacke, 10, Hatch-street
* Traill, Anthony, LL.D., F.T.C.D., Trinity College
Trench, Hon. C., 6, Merrion-square, south
Turbett, Robert E., 3, Bachelor's-walk
Tweedy, Henry, M.D., 16, Rutland-square
* Tyrrell, James, 36, Merrion-square, east
Vance, Thomas, J.P., 9 Bridge-street
* Vandeleur, Colonel C. Moore, Kilrush House, Kilrush
* Vigors, H. M.
Wade, Robert, M.D., 208, Great Brunswick-street
Waller, Edmund W., Brewery, James's-gate, and Dundrum
Walpole, George, 8, Suffolk-street
Walpole, Edward, 8, Suffolk-street
Wardell, J. D. Thorncliffe, Rathgar
* Warren, Robert, J. P., 40, Rutland-square
Waterhouse, Samuel, 25, Dame-street
Watson, Henry Stewart, 13, Vesey-place, Kingstown
* West, George Aug., Altadore. Blackrock
West, Langley A., Shanganagh Grove, Ballybrack
Westby, E. P., Roebuck Castle, Dundrum
White, Nicholas C., M.D., 5, Grosvenor-road
White, William G., 56, Pembroke-road
* White, William, George's Hill, Balbriggan
Whitestone, Berkley E., Brooklawn, Chapelizod
* Whitty, John Irwin, LL.D., 94, Lower Baggot-street
Wigham, Henry, 33, Capel-street
Wigham, J. R., Albany House, Monkstown
* Williams, J. E., R.A.
Williams, R. P., 38, Dame-street
Wilson, George Orr, Dunardagh, Blackrock
Wilson, John C., 10, Russell-street
Wilson, W. Wesley, 84, James's-street
Wilson, James, LL.B., 65, Fitzwilliam-square, north
Wilson, Thomas, 65, Fitzwilliam-square, north
Winstanley, James, Drumartin House, Dundrum

Woodlock, Joseph, 42, Dame-street
Woodlock, T., 42, Dame-street
Woodlock, William, 15, Mountjoy-square
* Wright, Joseph, Evandale, Conyngham-road
Wybrants, William Geale, Four Courts
* Yeates, Stephen, 2, Grafton-street
Young, Robert F., 34B, College-green

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BRITISH MUSEUM
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NATURAL HISTORY

Presented
21 MAR. 1906

BROWNE AND NOLAN, PRINTERS, DUBLIN.

21 MAR. 190

ANNUAL REPORT

OF

The Royal Zoological Society

OF IRELAND,

FOR THE YEAR ENDED 31ST DECEMBER, 1882.

BRITISH MUSEUM
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NATURAL HISTORY

DUBLIN:
BROWNE & NOLAN, PRINTERS, NASSAU-STREET.
1883.

OFFICERS AND COUNCIL, 9th JANUARY, 1883.

PATRONESS.

HER MAJESTY THE QUEEN.

EX-PRESIDENTS.

HIS GRACE THE DUKE OF LEINSTER.
LORD TALBOT DE MALAHIDE.
VISCOUNT POWERSCOURT.
EARL SPENCER, K.G.
J. W. MURLAND, M.A.

PRESIDENT.

SIR JOHN LENTAIGNE, C.B.

VICE-PRESIDENTS.

BOYLE, R. W.
MACALISTER, A.
REEVES, R.
MAPOTHER, E. D.
LALOR, J. J.

SECRETARY.

HAUGHTON, REV. S.

TREASURER.

HUTTON, T. M.

COUNCIL.

ABRAHAM, P. S.
BALL, R. S.
BARTON, H. M.
CARTE, W.
CRUISE, F. R.
FINDLATER, W.
GORDON, S.
HOGG, J.
MACDONNELL, R.
PEEBLES, W. E.
PIM, JOSEPH T.
ROBERTS, S. U.
STONEY, BINDON B.
TOWNSEND, C. U.
TRAILL, A.

Laws and Regulations

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

Chapter I.—THE CONSTITUTION.

1. The Society consists of Ordinary Members and Honorary Members.

2. The Officers shall be chosen from amongst the Ordinary Members, and shall be—

A President,
Five Vice-Presidents,
A Secretary, and
A Treasurer,

who, together with fifteen other Ordinary Members of the Society, shall constitute the Council.

3. The Officers and Council for each year shall be elected at the Annual General Meeting of the Society.

4. But in case any Officer, or other Member of the Council, shall die or resign, the Council may appoint a Member to supply his place until the next Annual Meeting.

Chapter II.—THE MEMBERS.

1. Every person wishing to become a Member of the Society must be proposed in writing to the Council by one Member of Council, and seconded by another; and upon election and payment of his admission fee, such person shall be a Member of the Society.

2. But he shall not exercise the privileges of a Member until his first year's Subscription is paid in advance.

3. The Admission Fee shall be *One Pound*, the Annual Subscription *One Pound*, and the Composition for life in lieu thereof, *Ten Pounds*.

4. The Annual Subscription shall be due on the first of January in each year, and shall be payable in advance.

5. If the Subscription of any Member is not paid within one year after it is due, he shall cease to be a Member until he shall have paid up his arrears.

6. No person becoming a Member after the first day of October in any year, shall be liable for the Subscription for that year.

7. No person shall exercise the privileges of a Member until he shall have paid his Subscription for the current year.

8. Ladies may be admitted as Members upon the same terms, and with the same privileges, as gentlemen.

9. Members of the Society, and such Members of their families as are *bonâ fide* resident with them, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and in the case of children of Members, the name of the person in charge of them being also signed.

Chapter III.—HONORARY MEMBERS.

1. Distinguished persons may be elected Honorary Members without annual or other payment, by a vote of the Society, at any of its Meetings, upon the previous recommendation of the Council.

2. Honorary Members shall have the same privileges as other Members, except that of voting at the Meetings.

3. The number of Honorary Members shall be limited to twenty.

Chapter IV.—THE OFFICERS.

The President.

1. The President shall preside at all Meetings of the Society and Council, when present, and shall generally superintend the affairs of the Society.

2. The same person shall not be President for more than five successive years.

3. Ex-Presidents shall continue to be Honorary Members of Council.

Vice-Presidents.

1. Of the five Vice-Presidents, two at least shall go out at each election, but this shall not prevent their continuing Members of Council in another capacity.

2. The Vice-Presidents shall supply the place of the President in his absence.

The Secretary.

It shall be the duty of the Secretary to see to the execution of the rules, orders, and directions of the Society and Council.

The Treasurer.

No money shall be paid by the Treasurer, except upon the written order of the Council, signed by at least three of its Members.

Chapter V.—THE COUNCIL.

1. Three Members shall form a Quorum.

2. The Council shall meet at such times as they themselves shall determine.

3. It shall be the duty of the Council to conduct the business of the Society, subject to the laws and regulations of the Society at large.

4. All questions shall be decided by the majority of voices; and where the numbers are equal, the Chairman shall have a casting voice; but he shall not vote except in such case.

5. The Council may summon a Meeting of the Society for scientific purposes whenever they think fit, stating the object of such Meeting; and at such Meeting no business but that stated in the notice shall be discussed.

6. At least three of the Council shall go out at each election.

7. No member of the Society having any contract with the Society or Council for which payment is to be made, shall be eligible to a seat in the Council in any capacity; and if the name of any member of the Society having a contract with the Society, or receiving any fee or emolument from the Society, shall be found in the Ballot, that name shall be set aside by the Chairman, notwithstanding any number of votes that may be appended to it; and if any Member or Officer of the Council enter into any contract with the Society, or receive from it any fee, payment, or emolument, his seat shall become *ipso facto* vacant in the Council, and the Council shall immediately summon a Meeting of the Society, to elect a member to the vacant place.

Chapter VI.—ANNUAL MEETING.

The Annual Meeting shall be held on the second Tuesday in January in each year, for the purpose of electing the Council and Officers for the ensuing year, and of hearing the Report of the Council read, and auditing the accounts.

Election of Officers.

1. The Council for the time being shall annually cause to be prepared a list of persons whom they recommend to be Officers and Council for the ensuing year.

2. The list shall distinguish the three or more Members proposed to be removed, and the three or more proposed to be elected in their room, and it shall be transmitted to each Member residing in Dublin, by post, along with the notice of the time and place of the General Meeting, to be sent at least seven days before the day of Meeting.

3. The Chair shall be taken at four o'clock, when the Ballot shall commence and continue open for one hour, at the expiration of which time the Chairman shall proclaim that the time had arrived when the ballot should close, and order the porter not to admit any other Members into the room, and then the Chairman shall call on the Members in the room who have not balloted to come forward and ballot, and the scrutiny shall forthwith take place; and those persons to whose names the greater number of marks shall have been affixed, shall be declared duly elected in the order and places in which they stand, provided at least three new Members be elected, but if not, then these of the proposed Members who have the least number of marks shall be rejected, until at least three former Members are excluded, and their places shall be filled by those who have the next greatest number of marks.

4. If two or more names have the same number of marks, the order of preference shall be decided by lot.

General Business.

1. No motion respecting a change in the laws or constitution of the Society shall be discussed or voted upon at the Anuual or other meeting, except as hereafter provided, unless notice thereof be given in writing to the Council, at least one month before such meeting; the Council to give seven days' notice to the Members, as before ordered.

2. But the Council may propose, and bring to the vote, any measure or question, at any of the Meetings of the Society, provided it shall have been under their consideration for at least one month, and that notice thereof be given to the Members in the circular notice of such Meeting, at least seven days previous to the day of Meeting.

Chapter VII.—THE GARDENS.

1. Any person enrolling his name in a book kept at the gate of the Gardens, and paying One Pound a year, shall be a Subscriber, and shall have the same privileges of ingress to the Gardens, as a Member of the Society.

2. The Council shall have the power of suspending all rights of free entrance to the Gardens upon the day of a public fete, or similar occasion, when such shall be given for the benefit of the Society.

3. During frost, the Council shall have power to suspend all privileges of Members and Garden Subscribers, except that of personal admission.

4. The Council shall have power from time to time to vary, as may seem fit to them, the rates of admission to non-subscribers.

THE Annual Meeting of the ROYAL ZOOLOGICAL SOCIETY OF IRELAND was held in the College of Physicians on Tuesday, 9th January, 1883.

Sir JOHN LENTAIGNE, C.B., PRESIDENT,
IN THE CHAIR.

REPORT OF COUNCIL.

During the year 1882, the number of Visiters to the Gardens, and the receipts at the entrance gate, were as follows:—

ADMISSION TO ZOOLOGICAL GARDENS, 1882.

Members			...	..	14,202		
Public Institutions				...	2,087		
Visiters' Tickets				...	1,248		
	s.	d.				£ s.	d.
Visiters at	5	0		...	125	31 5	0
Do. ,,	2	6		...	3	0 7	6
Do. ,,	1	0		...	12,531	626 11	0
Do. ,,	0	6		...	12,786	319 13	0
Do. ,,	0	3		...	3,604	45 1	0
Schools ,,	0	3		...	1,207	15 1	9
Visiters ,,	0	2		...	59,950	499 11	8
Do. ,,	0	1		...	17,855	74 7	11
					125,598	£1,611 18	10

During the preceding year, the corresponding numbers were—

Members			...	...	22,877		
Public Institutions				...	3,605		
Visiters' Tickets				...	216		
	s.	d.				£ s.	d.
Visiters at	5	0		...	42	10 10	0
Do. ,,	2	6		...	546	68 5	0
Do. ,,	1	0		...	12,500	625 0	0
Do. ,,	0	6		...	7,080	177 0	0
Do. ,,	0	3		...	1,681	21 0	3
Schools ,,	0	3		...	1,113	13 18	3
Visiters ,,	0	2		...	54,644	455 7	4
Do. ,,	0	1		...	16,483	68 13	7
					120,787	£1,439 14	5

The total number of visiters and receipts at gate during the past ten years were as follows :—

Year.	Visiters.	Receipts.
1873	147,762	£1,450 4 3
1874	109,923	1,442 14 4
1875	104,945	1,500 4 8
1876	98,491	1,353 8 7
1877	102,416	1,367 4 10
1878	110,173	1,494 3 4
1879	103,155	1,298 1 5
1880	112,727	1,353 19 9
1881	120,787	1,439 14 5
1882	125,598	1,611 18 10

During the corresponding years the total receipts from Entrance Fees and Subscriptions were as follows :—

Year.	Entrance Fees and Subscriptions
1873	£404
1874	610
1875	429
1876	448
1877	595
1878	580
1879	551
1880	531
1881	724
1882	723

The receipts from Sunday admissions, during the past ten years, have been :—

1873	£477 1 3
1874	497 8 4
1875	561 10 11
1876	521 8 7
1877	523 6 7
1878	535 10 4
1879	467 13 5
1880	539 3 3
1881	524 0 11
1882	

The Appendix to this Report contains a detailed list of the Animals added to the Gardens during the past year, which include Elephants, Tapirs, and Yaks.

The interest excited in Dublin by the purchase of two young Elephants from Burmah, named "*Rama*" and "*Sita*," was evidenced by a number of the Fellows and Professors of Trinity College offering to deliver a course of Lectures in Trinity Term, for the purpose of aiding in the construction of a suitable house for the reception of the new and interesting arrivals.

The following is the Programme of these Lectures, which produced a Nett Profit of about £50.

I.—*Saturday, April 29, 1882.*

Rev. Samuel Haughton, M.D., Senior Lecturer :—"**Dogs.**"

II.—*Saturday, May 6.*

Rev. J. P. Mahaffy, M.A., Professor of Ancient History :—"**The Horse in Ancient Times.**"

III.—*Saturday, May 13.*

Alexander Macalister, M.D., Professor of Anatomy :—"**The Egyptian Monuments in the Libraries and Museums of Dublin.**"

IV.—*Saturday, May 20.*

Robert Atkinson, LL.D., Professor of Sanskrit :—"**Origin of the Celts.**"

V.—*Saturday, May 27.*

Rev. T. K. Abbott, B.D., Professor of Hebrew :—"**The Origin of the Alphabet A, B, C.**"

VI.—*Saturday, June 10.*

J. Emerson Reynolds, M.D., Professor of Chemistry :—"**The Life-work of an Oriental Plant.**"

VII.—*Saturday June 17.*

Sir Robert P. Stewart, Professor of Music :—"**Music: Illustrated with Examples of various Epochs and Styles.**"

VIII.—*Saturday, June 24.*

Anthony Traill, M.D., LL.D., High Sheriff of the County Antrim :—"**Electricity as a Motive Power: illustrated by Dr. Siemens' Working Models of Electric Railways.**"

BALANCE SHEET, YEAR ENDING 31st DECEMBER, 18 82.

			£ s. d.	£ s. d.
To Balance in Bank, &c., 31st December, 1881,				137 6 10
Admission to Gardens—				
Members		14,202		
Public Institutions ..		2,087		
Visiters' Tickets ..		1,248		
Do.	at 5*s.*	125	31 5 0	
Do.	at 2*s.* 6*d.*	3	7 6	
Do.	at 1*s.*	12,531	626 11 0	
Do.	at 6*d.*	12,786	319 13 0	
Do.	at 3*d.*	3,604	45 1 0	
Schools	at 3*d.*	1,207	15 1 9	
Visiters	at 2*d.*	59,950	499 11 8	
Do.	at 1*d.*	17,855	74 7 11	
Total Admission		125,598	£1,611 18 10	
Books of Admission Tickets			20 10 0	
				£1,632 8 10
Government Grant, ...			..	£500 0 0
Members' Subscriptions—				
Members			£291 0 0	
Garden			374 5 0	
Life			50 0 0	
Entrance Fees			8 0 0	
				723 5 0
Donations			..	.. 10 0 0
Animals Sold			..	.. 211 1 0
Incidentals			..	.. 1 17 0
Amount of One Deposit Receipt			120 0 0	
Interest			2 12 0	
				122 12 0
Proceeds of Course of Lectures, per Rev. Dr. Haughton ..			£55 10 9	
Part Expenses			5 13 3	
				49 17 6
				£3,388 8 2

			£ s. d.
Purchase of Animals, &c.			742 1 4
Provisions of Animals			1,033 6 6
Incidentals, including Printing, Advertisements, Men's Clothing, &c.			89 18 11
Coal and Coke			36 11 0
Salaries and Wages			701 0 4
Buildings and Plantations			247 11 11
Water Rate per Meter			84 14 4
Cost of Promenades—Bands			41 17 1
Fire Insurance			1 2 6
Expenses connected with Ice			32 17 7
Amount lodged on Deposit Receipt			55 10 9
Balance in Bank ..		332 0 8	
Cash in Collector's hands		2 0 0	
Cash due by Superintendent		0 10 9	
		£334 11 5	
Draft not gone in	£10 0 0		
Do. do.	2 15 6		
		12 15 6	321 15 11
			£3,388 8 2

APPENDIX.

RETURN OF ANIMALS ADDED

TO THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND

DURING THE YEAR 1882.

ANIMALS.		PRESENTED BY
1 Peregrine Falcon	..	Richard J. Ussher Esq., Cappagh, Cappoquin
4 Wild Ducks	..	Capt. Smithwick, Youghal House, Nenagh
1 Zebu Bull	..	N. L. Moran, Esq., St. Edmondsbury, Lucan
2 Wax Bills	..	Miss Shelford, Sloperton Lodge, Kingstown
4 White Rats	..	Master B. Daniel, 4 Westland-row
1 Badger	..	Major Kingscote, Clara, King's Co.
3 Golden Polish Fowl	..	R. P. Williams, Clontarf
1 Otter	..	Lord Ardilaun, Cong
1 Badger	..	J. W. Hayes, 28 Elgin-road
2 Rabbits	..	Dr. Swanzy, 24 Merrion-square
2 Badgers	..	Chas. Mills, Little Rath, Sallins
2 Weasels	..	J. C. Bruce, 4 Upper Mount-street
1 Cockatoo	..	G. E. Ilbery, St. John's, Island-bridge
1 Eagle	..	W. Hart, M.D.
1 Fox	..	W. Hart, M.D.
2 Ring Snakes	..	Dr. R. Snow, Montgomery, N. Wales
2 African Owls	..	E. G. Pennington, R.I.C., 1 Park-place
1 Otter	..	A. M. Browne, Tyrone House, Oranmore
1 Himalayan Bear	..	Jas. S. Scott, Levuka, Gorey
1 White Rat	..	G. A. Crofton, 1 Stamer-street
1 Sparrow Hawk	..	H. McDermott, Botanical-road
1 Tortoise	..	A. Brogan, 22 Barrack-street
1 Porcupine	..	James Nixon, Portsmouth
1 Leopardess	..	H. J. H. Henderson, Supt. of Police, Surat
1 Badger	..	L. Dundas, Ferns

ANIMALS		PRESENTED BY
1 Black Rat	..	Rd. Reeves, 51 Merrion-square
1 Kestrel Hawk	..	John MacDonald, Lincoln-place
1 Peacock	..	P. S. Abraham, 5 Clare street
1 Goshawk	..	James Usher, Dolphin-villa
1 Common Owl	..	A. Andrews, Newtown House, Blackrock
1 Swan	..	Commander F. G. Crofton, Harbour House Kingstown
1 South African Parrot	..	E. D. Mapother, M.D., Merrion-square

ANIMALS PURCHASED.

6 Marmoset Monkeys	5 Mona Monkeys
1 Jungle Cat	5 Green do.
2 Elephants	3 Joss do.
1 Kangaroo	7 Ringtail do.
1 Swan	1 Tapir

ANIMALS BORN IN GARDENS DURING THE YEAR 1882.

2 Red Deer	1 Yak
2 Llamas	

List of Members

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

HONORARY MEMBERS.

Bell, Professor, F.R.S., Selborne

Carus, M. Victor, Museum, Leipsic

Gould. John, F.R.S., 26 Charlotte-st., Bedford-square, London

Jenyns, the Rev. L., F.R.S.

Jones, Professor Rymer, F.R.S., King's College, London

Just, Wm., Pacific Steam Navigation Company, Liverpool

Lea, Isaac, LL.D., Philadelphia

Leech, Colonel, R.E., Highgate, London

Mayo, Right Hon. the Earl of, Palmerstown House, Naas

Montgomery, General G. S., H. M. Indian Army, C.S.I., Fort Royal, Rathmullen

Owen, Professor, F.R.S., British Museum, London

Rupell, M. M., Frankfort

Sclater, P. Lutley, Ph.D., F.R.S., Secretary, London Zoological Society

Trevelyan, Sir Charles, K.C.B., Indian Service

King, Charles Croker, M.D., 34 Upper Fitzwilliam-street

CORRESPONDING MEMBERS.

James Armstrong, M.B., 8, Leeson-park

William Armstrong, Surgeon-Major, Curragh Camp

Colonel Collingwood, 21st Fusiliers

William Corbet, Green Hall, Rathcormack, county Cork

John P. Denton, jun., West Hartlepool

George S. Dobson, Assistant Staff Surgeon, India, Royal Victoria Hospital, Netley, Southampton

Col. Dwyer, 1st Battalion 14th Regiment

Hon. H. Fitzgerald, Trinidad

J. B. Hamilton, Esq., M.D., Royal Artillery, Surgeon-Major

His Excellency Sir J. Pope Hennessy

Henry Thomas Henry, M.D., Bathurst, Gambia, West Africa

J. J. Lamprey, M.D., 2nd West Indian Regt., Cape Coast Castle

E. C. Markey, Esq., M.D., Surgeon-Major, India

James McCreery, Surgeon-Major

F. A. Montgomery Moore, late 1st West India Regiment

C. B. Mosse, Surgeon-Major, Kingston, Jamaica

Capt. Joseph Nelson, ship "Parsee," 4, Eglinton-ter., Ranelagh

J. M. Price, Surveyor-General, Hong-Kong

Captain Seymour, Chief Commissioner of Police, Queensland

E. Guy Selby Smyth, Sunbury-on-Thames

Rev. John MacG. Ward, Chaplain R.N., H.M.S. "Topaze," Kingstown

Dr. Samuel Warren, 55 park Avenue, Sandymount

N. W. Fitzgerald, 33 Queen-street, Melbourne

LIFE AND ANNUAL MEMBERS.

* *Indicates Life Members.*

* His Excellency Earl Spencer, Lord Lieutenant of Ireland, Dublin Castle
* The Right Hon. the Earl Cowper, K.G.
* The Countess Cowper
* His Grace the Duke of Abercorn
* The Right Hon. the Earl of Kimberley
* His Grace the Duke of Marlborough
* Abbott, Rev. Thos K., F.T.C.D., Trinity College
Abraham, Phineas S., 5 Clare-street
Aitken, A., 8 Brandon-place, Glasgow
Alexander, Alfred J., Richmond-villa, Monkstown
Alexander, William, 10 Belgrave-square, Monkstown
* Allen, Henry J., Fern Dene, Stradbrook, Blackrock
* Allen, Richard Purdy, 48 Pall Mall, London, S.W.
Allen, Richard, 28 Lower Sackville-street
* Annally, Lord, Woodlands, Clonsilla
Andrews, Henry, Hastings, Blackrock
* Archer, William, F.R.S.
* Ardilaun, Right Hon. Lord, St. Anne's, Clontarf
* Ardilaun, The Lady, St. Anne's, Clontarf
Armstrong, G. R., King's Hospital, Blackhall-place
* Arthur, Lieutenant-Colonel
Atthill, Lombe, M.D., 94 Merrion-square
* Atkinson, Robert, Trinity College
* Atkinson, John, Ely-place
Babington, William, D.A., 1 Roby-place, Kingstown
Bagot, John, J.P., 28, William-street
Baily, John, C.E., 3 Blackhall-place
* Ball, Charles B., M.D., 16 Lower Fitzwilliam-street
* Ball, J. B., 12 Merrion-square east
* Ball, Robert Stawell, LL.D., Observatory, Dunsink
* Ball, Valentine, 1 Raglan-road
* Bangor, Right Hon. Lord, Castleward, Downpatrick
* Banks, John T., M.D., 11 Merrion-square east
* Barker, H. O., LL.D., 6 Gardiner's-row
* Barker, Richard Oliver, 6 Gardiner's-row
* Barker, William Oliver, M.D., 6 Gardiner's-row
Barlow, Captain John, 2 Belfast-terrace
Barrington, Sir Croker, Bart., 60 Fitzwilliam-square, north
Barrington, Sir John, Knt., D.L., J.P., St. Anne's, Killiney
* Barrington, R. M., Fasseroe, Bray
Barry, John E., 12 Mountjoy-square north
* Barter, Rev. J. B.
Barton, Freeman, 38 Upper Fitzwilliam-street
Barton, Henry M., 4 Foster-place
Barton, John K., M.D., 24 Lower Fitzwilliam-street

Baxter, Charles Patrick, M.D., 66 Lower Baggot-street
✠ Beach, Sir M. E. Hicks, M.P., Portman-square, London
✠ Beaney, J. G., M.D., Melbourne
Bennett, Edward H., M.D., 26 Lower Fitzwilliam-street
Bennet, James C., Ellerslie, Temple-road, Rathmines
Bentham, William, 66 Upper Sackville-street
✠ Bewley, Samuel, J.P., 6 Dame-street
✠ Bewley, Samuel, junior, 6 Dame-street
✠ Black, William Fleming, 27 Eccles-street
✠ Blood, Bagot, 38 Wellington-road
✠ Blood, J. L. H., Longford-terrace, Monkstown
Blood, Frederick, Mountjoy Brewery
✠ Bolton, S. H., J.P., Grove House, Rathmines-road
✠ Bookey, Mrs. William, Beauchamp, Bray
✠ Bomford, George, Oakley Park, Kells
Boyd, R. Macrory, Walworth, Grand Canal
Boyd, Samuel J.P., Shanganagh Park, Loughlinstown
Boyle, Richard W., J.P., College-green
Brady, Thomas F., 11 Percy-place
✠ Brady, Maziere J., 2 Wilton-place
Brady, James, M.D., 38 Harcourt-street
✠ Bridgeford, W. B., 148 Sackville-street
✠ Brooke, Sir Victor, Bart, Colebrook, Brookboro'
✠ Brooks, Maurice, M.P., Sackville-place
✠ Brooks, M., jun., Gresham-terrace, Kingstown
✠ Browne, R. C., Viewmount, Carlow
Browne, Robert, M.D., Largo House, Rathmines
Brown, Vere Ward, Ralnagowan, Upper Rathmines
Browne, Mrs., 8 Merrion-square, north
Brunker, James E., Rostellan, Temple-road, Rathmines
Burke, Edward, F., 16 Bachelor's-walk
Burke, William, 1 Clanwilliam-place
✠ Burke, Sir Bernard (Ulster), Dublin Castle
Burne, Joseph Graham, M.D., 38 Westland-row
✠ Burton, Decimus, F.R.S., 37 Gloucester Gardens, Bayswater, London
✠ Butler, Lord James, 18 Rutland-square, north
Byrne, John A., M.D., Merrion-square
Calwell, Nathaniel, 39 Fitzwilliam-place
Cameron, C. A. M.D., Pembroke-road
Campbell, Alderman, Mountjoy-square
Cannon, Edward, Kenilworth-square, Rathgar
Carleton, James Crichton, 62 Northumberland-road
✠ Carlingford, Right Hon. Lord, Carlton gardens, London
✠ Carpenter, Arundel, 125 Leinster-road
Carroll, Coote Alexander, Boston Spa, Tadcaster, Yorkshire
✠ Carson, Rev. Joseph, D.D., F.T.C.D., Trinity College
✠ Carte, William, M.D., J.P., Royal Hospital
✠ Carte, William Alexander, M.D., Military-road
Casey, Robert, Montpelier House, Monkstown
✠ Cavendish, Lord Edward, Devonshire House, Piccadilly, London
Chambre, John, Mespil House
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* Charlemont, Right Hon. the Earl of, Roxborough, Moy
Chatterton, Right Hon. the Vice-Chancellor, Newpark, Newtown Park-avenue, Blackrock
Chatterton, Abraham T., 10 Clyde-road
Clibborn, James, Woodville, Sandford
Cloncurry, Lady, Maretimo, Blackrock
* Close, H. W., Bank, Henry-street
* Close, S. H., Bank, Henry-street
Close, Rev. M. H., 38 Lower Baggot-street
Colles, G. C., 8 Kildare-street
Colles, William, M.D., 21 St. Stephen's-green
Collins, Thomas M.D., 48 William-street
Colville, James C., Coolock House, Raheny
Connolly, Lieut.-Col., V.C., 21 Rutland-square
* Connor, John, Anatomical Museum, Trinity College
Copland, Charles, Longford-terrace, Monkstown
Copland, J. W., 4 Foster-place
Corbet, Daniel, 12 Clare-street
Corley, A. H., M.D., 30 Baggot-street
* Cornwall, Gustavus, 17 Harcourt-street
* Cornwall, Robert, 36 Rutland-square
Crawley, W. J. Chetwode, LL.D., F.G.S., 66 Mountjoy-square, west
Cotton, Charles P., C.E., Ryecroft, Bray
Courtney, William M'Dougall, 4 Prince Patrick-terrace, North Circular-road
* Cowper, Henry A., 29 Fitzwilliam-place
Crampton, Sir John, Bart., Bushy Park, Enniskerry
* Creed, James, M.D., Assistant-Surgeon, 2nd Battalion 20th Regiment, 176 Rathgar-road
Cruise, Francis, R., M.D., 93 Merrion-square, west
* Cusack, Sir Ralph S., J.P., Furry Park, Raheny
D'Arcy, Matthew P., D.L., 6 Merrion-square, east
Dickie, W. D., 41 Wellington-quay
Dillon, V. B., 7 Rutland-square
Dixon, G. Yeates, 4 Earlsfort-terrace
Dolling, Caledon, 34 Mountjoy-square
* Dowse, Richard, Right Hon. Baron, 38 Mountjoy-square
Drumm, Thomas, 4 Sackville-place
DuBedat, Francis F., 2 Foster-place
DuBedat, W. G., J.P., Ailesbury-road, Merrion
Dudgeon, H. James, 113 Grafton-street
Duffey, G. F., M.D., 30 Fitzwilliam-place
* Dufferin, Right Hon. the Earl of, Clandeboye, co. Down
* Dunally, Dowager Lady, Belgrave-square, Monkstown
Dunne, D. B., Ph.D., 4 Clanwilliam-place
* Dunnill, Benjamin, 1 Clifton-place, Monkstown
Eaton, Joseph, M.D., 37 Westland-row
Edmundson, Joshua W., Capel-street
* Ellis, George, M.D., 91 Leeson-street
Elrington, J. F., LL.D., Carrickbrennan House, Monkstown
Enniskillen, Right Hon. the Earl of, Florence Court
* Evatt, Robert B., D.L., Mount Louisa, Monaghan

✠ Farquharson, Robert, Munster Bank, Dame-street
✠ Farrell, E. Walter, 3 Merrion-square, east
✠ Farrell, James, 3 Merrion-square, east
✠ Faulkiner, Bolton W., late Captain, 95th Regiment, Pau
Fennel, Hugh James, 8 Bushfield terrace, Donnybrook
Fennel, Joshua G., 7 Longford-place, Monkstown
Ferguson, John R., A.M., M.B., 20 Sherrard-street upper
Fetherston, S. H. Radcliffe, 17 Eccles-street
✠ Findlater, John, Melbeach, Monkstown, co. Dublin
✠ Findlater, William, M.P., 22 Fitzwilliam-square
✠ Fitzgerald, George F., F.T.C.D., Trinity College
Fitzgerald, Right Hon. Lord, Merrion-square, east
✠ Fitzgerald, Thomas, 22 Fitzwilliam-place
✠ Fitzgibbon, Gerald, Right Hon. Lord Justice of Appeal, 10 Merrion-square, north
Fitzgibbon, Henry, M.D., J.P., 18 Lower Fitzwilliam-street
Fitzsimon, Francis, 15 Bridgefoot-street
Flanagan, Right Hon. Stephen Woulfe, Judge, Landed Estates Court, 20 Fitzwilliam-place
Foot, Arthur Wynne, M.D., 49 Leeson-street
Forrest, James, Grafton-street
Forster, John, St. Mary's, Temple-road, Rathmines
Fottrell, Edward, J.P., 46 Fleet-street
Fottrell, George, jun., 8 Great George's-street, north
Galbraith. Rev. Joseph A., F.T.C., Trinity College
Gardner, Robert, Ashley, Clyde-road
✠ Garstin, J. Ribton, Braganstown, Castlebellingham
Gerrard, Thomas, 11 Oakland villas, Rathgar
Gerrard, John Netterville, Barrister, 86 Lower Baggot-street
Gibson, Rt. Hon. Edward, M.P., 23 Fitzwilliam-square
Gill, Henry Joseph, M.P., Roebuck, county Dublin
Gogarty, H. J. K., M.D., 5 Rutland-square
Goodbody, Jonathan, jun., 43 Dame-street
Goodbody, Robert, 8 Fitzwilliam-square
Goodman, John Fox, Ashbrook, Phœnix Park
✠ Gordon, Samuel Thomas, R. I. Constabulary Depot, Phœnix Park
Gordon, Samuel, M.D., 13 Hume-street
✠ Granard, Right Hon. Earl of, Castleforbes, county Longford
Grace, Major Percy Raymond, Boley, Monkstown
Gray, E. Dwyer, M.P., Pembroke House, Herbert-street
✠ Green, John M., Fernbank, Dundrum
Greene, Thomas, 49 St. Stephen's-green
✠ Greer, T., J.P., Grove House, Regent's Park, London, N.W.
✠ Greer, A. J.
✠ Gregory, Right Hon. W. H., Coole Park, Gort
Griffin, John, 5, Foster-place, and 29 Leinster-road, Rathmines
✠ Guinness, Edward Cecil, D.L., J.P., St. Stephen's-green
Hackett, W. W., J.P., 34 Leeson-park
Haddon, Alfred, College of Science, St. Stephen's-green
Hamerton, J. Taylor, 5 Ailesbury-road, Merrion
Hamilton, J. T., M.D., Brighton-terrace, Monkstown
Hamilton, Edward, M.D., 120 St. Stephen's-green
✠ Hamilton, Ion Trant, M.P., D.L., Abbotstown

* Hamilton, Miss Sydney, 5 Victoria-terrace, Clontarf
Hancock, W. J., Synnot-place
* Harmon, Mrs. Inchicore
Harris, A. W., Alderman, 12 Wellington-road
* Hartington, Most Hon. the Marquis of, 78 Piccadilly, London
* Haughton, Rev. Samuel, M.D., F.R.S., 31 Upper Baggot-street
Hayes, Major, St. James's-terrace, Malahide
Head, Henry, M.D., 7 Fitzwilliam-square
* Henry, Mitchell, M.P., Kylemore, Galway
* Henry, F. H., Park-lodge, Straffan, county Kildare
* Henshaw, Alfred, Hatherton, Rathmines
* Hime, Maurice, M.A., Foyle College, Londonderry
* Hodson, R. A. Hollybrook, Bray
Hoey, Edward J., 22 College-green
Hogg, Jonathan, Marlay Grange, Rathfarnham
Hogg, P. Thomas, 12 Cope-street
Hone, Brindley, Vevay House, Ballybrack
* Hone, N. Seafield, Malahide
Houston, Arthur, LL.D., 50 Fitzwilliam-square, west
Hudson, Edward, 55 Pembroke-road
Hughes, James S., M.D., 94 Merrion-square, west
Hull, Edward, M.A., Director of the Geological Survey, Ireland, 5 Raglan-road
* Hutton, Thomas Maxwell, J.P., 118 Summerhill
* Hutton, Mrs. Thomas Maxwell, 118, Summerhill
* Hutton, Lucius O., 8 Fitzwilliam-place
* Hyland, James K., 13 Rutland-square, east
Ilbery, George E., St. John's, Island-bridge
Ingram, J. Kells, LL.D., F.T.C.D., 2 Wellington-road
Jackson, Surgeon-Major Sir Robert W., C.B.
* Jacob, Archibald H., M.D., 23 Ely-place
Jameson, Henry, Hermitage, Roebuck
* Jameson, James, Airfield, Donnybrook
* Jameson, John, St. Marnock's, Malahide
Jameson, John & Sons, Bow Lane
* Jameson, William, Montrose, Donnybrook
Jellett, Hewitt Poole, Q.C., Upper Pembroke-street
Jellett, Rev. J. H., Provost Trinity College, Provost's House
John, George Andrews, 7 Eustace-street
* Johnston, John B., 8, Clyde-road
* Johnston, Maziere, 2 Knapton-road, Kingstown
Johnston, George, M.D., 15 St. Stephen's-green, north
* Jones, John, 6 Dawson-street
Jones, Sir Thomas, 9 Upper Mount-street
Joynt, W. R., 43 Merrion-square
Jury, Mrs. Henry, 7 College-green
Kane, John, Leeson-park House
* Kane, Sir Robert, F.R.S., Fortlands, Killiney
* Kavanagh, Arthur, M.P., Borris House, Carlow
Kaye, W. S. B., LL.D., 16 Gardiner's-place
Kelly, James, J.P., 71 St. Stephen's-green
Kelly, Thomas L., J.P., Lower Gardiner-street

✠ Kelly, Richard W., Cope-street
Kelly, Thomas A., 5 Vesey-place, Kingstown
✠ Kennedy, Evory, M.D., J.P., Belgard, Clondalkin
Kennedy, Henry, M.D., Rutland-square
Kenny, Joseph E., M.D., 15 Rutland-square
✠ Kenny, Matthias, 3 Clifton-terrace, Monkstown
Kidd, George H., M.D., 30, Merrion-square, south
✠ Kildare, The Most Hon. the Marquis of, Carton, Maynooth
Kinahan, George, Roebuck-park, Dundrum
Kinahan, Edward H., D.L., 11 Merrion-square, north
Kinahan, Thomas W., 24 Waterloo-road
Kirkpatrick, J. Rutherford, M.B., 4 Upper Merrion-street
Kincaid, John Henry, J.P., 6 Leinster-street
Knapp, W. H., Wellington-lodge, York-road, Kingstown
Knox, Charles, Creagh, Ballinrobe
✠ Lacy, Miss Frances, Inchicore Lodge
✠ Lalor, John J., J.P., Drummartin Castle, Dundrum
✠ Lalor, Mrs. Drummartin Castle, Dundrum
✠ Latouche, J. W., 27 Bloomfield-avenue
Lawson, Right Hon. Mr. Justice, 27 Upper Fitzwilliam-street
Lee, Robert C., 12 Upper Merrion-street
Le Fanu, William R., Summerhill, Enniskerry
✠ Leinster, His Grace the Duke of, Carton, Maynooth
Lentaigne, Sir John, D.L., C.B., 1 Great Denmark-street
✠ Lentaigne, Joseph Nugent, J.P., 1 Great Denmark-street
Little, James, M.D., 14 Stephen's-green
Little, T. E., M.D., 42 Great Brunswick-street
Littledale, William F., 9 Ormond-quay
Lloyd, John R., 25 Clare-street
Lombard, James Fitzgerald, J.P., South-hill, Rathmines
Longworth, T. F. Dames, Q.C., 21 Herbert-street
Lowe, Francis, 35 College-green
Lyle, James Acheson, 13 Pembroke-road
✠ Lynch, Nicholas, 20 Wicklow-street
✠ Lyons, Robert D., M.B., M.P., 8 Merrion-square, west
✠ Lyttle, Rev. Thomas, 54 Tritonville-road, Sandymount
M'Cay, William, F.T.C.D., Trinity College
M'Cann, James, J.P., Simmonscourt, Donnybrook
✠ Macalister, Alexander, M.D., 11 Upper Fitzwilliam-street
✠ Macartney, J. W. Ellison, M.P., The Palace, Clogher, county Tyrone
Macan, Arthur V., M.B., Rotundo Hospital
✠ M'Crea, Edward D., 50 William-street
M'Curdy, John, 10 Leinster-street
M'Cullagh, Andrew, 25 Mountjoy-square
✠ MacDonnell, Alexander, C.E., North Eastern Railway, Newcastle
MacDonnell, John, M.D., Upper Fitzwilliam-street
✠ MacDonnell, James, 32 Upper Fitzwilliam-street
✠ MacDonnell, Robert, M.D., F.R.S., 89 Merrion-square
MacDonnell, Luke, 4 Merrion-square, east
MacDermott, Alfred, 43 Fitzwilliam-square
✠ M'Dowel, Benjamin George, M.D., 5 Merrion-square, south

M'Govern, Thomas, 21 College-green
Macken, James, 2 St. James's-terrace, Clonskeagh
M'Kee, Rev. T. A., 94½ Stephen's-green
M'Kerlie, Colonel, Custom House
* McMaster, Geo., M.A., J.P., Simmonscourt-avenue, Donnybrook
* Madden, Thomas Walter, Surgeon, 18 Westland-row
* Mahaffy, Rev. J. P., F.T.C.D., Trinity College
Malone, Lawrence, 7 Ely-place
Manly, Joseph, 17 Clyde-road
Manders, Richard, J.P., Brackenstown House, Swords
Manning, Robert, 4 Ely-place, upper
* Mapother, E. D., M.D., 6 Merrion-square, north
Martin, Charles, 12 Fitzwilliam-place
Martin, Richard, D.L , J.P., 7 Merrion-square, south
Martin, Thomas, North-wall
Mason, Thomas P., M.D., 92 Harcourt-street
Mathews, Jehu, 32 Lower Ormond-quay
May, Right Hon. Lord Chief Justice, 13, Fitzwilliam-square
Megaw, W., 29 Rutland-square, west
Miller, F. A., 11 Thomas-street
Miller, J. M., Monkstown
Miller, James Staveley, Richview, Rathmines
Miller, Adam, Queen's Park, Monkstown
Mitchell, George, 20 Lower Sackville-street
Mitchell, Robert, Marino House, Killiney
* Molloy, Very Rev. Dr., Rector, Catholic University, St. Stephen's-green
* Molyneux, Sir Capel, Bart., Castle Dillon, Armagh
* Monck, Right Hon. Viscount, Charleville, Bray
* Monteagle, Right Hon. Lord, Mount Trenchard, Foynes
* Moore, Robert H., F.R.C.S.I., 29 Upper Merrion-street
* Moore, Thomas J., Director, Museum, Liverpool
Moore, William F., Kenilworth-terrace, Rathgar
Moore, W. J., Botanic Gardens, Glasnevin
Moran, Edward, M.D., 12 Talbot-street
* Morrogh, Leonard, Fitzwilliam-square
Moyers, George, LL.D., 8 Vesey-place, Monkstown
Mulroney, William, Hazlewood, Dundrum
Murland, James W., Nutley, Booterstown
Murphy, E. B., 22 College-green
Murphy, Michael, 17 Eden-quay
Murphy, William, Dartry, Rathmines
Murray, Herbert H.
* Neilson, James, 32 Lower Leeson-street
* Nesbitt, Miss, Leixlip House, Leixlip
Nolan, William, 24 Nassau-street
Norman, Francis, 16 Granby-row
Nugent, John, M.D., 14 Rutland-square
* O'Brien, Edward William, Cahirmoyle, Newcastle West
* O'Brien, Miss Charlotte, Cahirmoyle, Ardagh, co. Limerick
O'Brien, William, 42 Waterloo-road
* O'Ferrall, James, 3 Gresham-terrace, Kingstown

O'Hagan, John, Judge Land Commission, 22 Up. Fitzwilliam-st.
O'Hagan, Right Hon. Lord, K.P., 34 Rutland-square
O'Keeffe, Dixon C., Richmond House, Templeogue
* Ormond, Most Hon. Marquess of, Kilkenny Castle
Ormsby, Lambert Hepenstall, M.D., 4 Merrion-square, west
Overend, Thomas George, 47 Eccles-street
* Palgrave, Charles, 17 Eden-quay
Palmer, Sir Roger, Bart., Kenure Park, Rush
Panton, Arthur, F.T.C., Trinity College
* Parker, Alexander, 46 Rathmines-terrace
Patterson, James, 20 Eglin-road
Paterson, Henry, Druid Lodge, Loughlinstown
Patton, A., M.D., Farnham House, Finglas
* Peebles, Robert W., 9 North Frederick-street
* Peebles, William E., 9 North Frederick-street
Perrin, Mark, Knockdromin, Rush
Pigot, D. R. 12 Leeson-park
Pigot, Thomas, 4 Wellington-road
Pim, Frederic W., Heathville, Monkstown
Pim, Richard, Stradbrook Hall, Blackrock
Pim, George, Brenanstown, Cabinteely
Pim, Jonathan, William-street
Pim, Joseph Todhunter, Greenbank, Monkstown
Pim, Thomas, William-street
Pim, Thomas, jun., William-street
Pim, James, jun., Killarney Wood, Bray
Poole, Rev. Hewitt R., F.T.C.D., 15 Lower Fitzwilliam-street
* Porter, George H., M.D., 3 Merrion-square, north
Power, Sir Alfred, K.C.B., 35 Raglan-road
* Powerscourt, Right Hon. Viscount, Powerscourt, Enniskerry
Proud, Nicholas, Leconsfield, Glenageary
Quain, John, 49 Pembroke-road
* Rathborne, John G., Dunsinea, Phœnix Park
Reeves, Robert, 5 Fitzwilliam-place
Reeves, Richard S., 17 Merrion-square, east
Reeves, Robert, 3 Upper Ely-place
Reside, William, 21 College-green
* Reynolds, J. Emerson, Trinity College
* Riall, Mrs. Arthur, Chantilly, Loughlinstown
Rigby, John, 24 Suffolk-street
Roberts, S. U., C.E., 6 Burlington-road
* Robertson, C. John, M.D., District Asylum, Monaghan
Robertson, William, Fitzwilliam-square
Robinson, T. J., 21 College-green
* Roe, Henry, D.L., Mount Anville Park, Dundrum
* Rowley, Captain Thomas Taylor
Salmon, Rev. D., F.T.C.D., 81 Wellington-road
Savage, Mrs., Nutley, Donnybrook
Scott, Francis M., J.P., Island Bridge House
Scott, Charles M., M.D., Tower-hill, Dalkey
* Scriven, W. B., M.D., 33 St. Stephen's-green
Seale, Edward A., Cottage Park, Kilgobbin
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* Shackleton, Joseph F., Anna Liffey Mills, Lucan
* Shackleton, Abraham, J.P., Clondarragh, Foxrock
Sherlock, D., 71 Lower Mount-street
* Shirley, Evelyn J., D.L., Carrickmacross
Sigerson, George, M.D., 3 Clare-street
* Sligo, Most Hon. the Marquess of, Westport House, Westport
* Smith, Aquilla, M.D., 121 Lower Baggot-street
* Smith, Walter G., M.D., 34 Lower Baggot-street
* Smyth, Robert, 6 and 7 St. Stephen's-green
* Smyth, Edward Webber, 7 St. Stephen's-green
* Smyth, Robert William, 3 Seaview-terrace, Donnybrook
Smyly, P. Crampton, M.D., 4 Merrion-square, north
Smyth, George, 81 Pembroke-road
Speedy, Albert O., M.D., 28 North Frederick-street
* Spottiswood, Lieutenant-Colonel A.
* Stanley, H. R., M.D., Malahide
* Staunton, C. F., M.D.
Steele, Right Hon. General Sir Thomas, K.C.B., Royal Hospital
Stein, Mrs., 49 Raglan-road
Stein, R. W., 49 Raglan-road
* Stewart, Alexander J. R., D.L., J.P., Ards House, co. Donegal
* Stewart, Sir Robert P., 8 Trinity College
Stotherd, Colonel, R.E., Mountjoy Barracks, Phœnix Park
Stoker, E. A., M.B., 46 Rutland-square, west
* Stoker, William Thornley, M.D., 16 Harcourt-street
* Stokes, F., J.P., Commercial Buildings, Dame-street
* Stokes, William, M.D., 5 Merrion-square, north
* Stoney, Bindon, C.E., 42 Wellington-road
Stoney, Loftie, M.D., 89 Lower Baggot-street
Storey, J. B., M.B., 24 Lower Baggot-street
* Sugrue, Charles I. H., 4 Belvidere-place
* Sullivan, A. M., London
Sullivan, Right Hon. Sir Edward, Bart., the Master of the Rolls, Fitzwilliam-place
* Sullivan, W. K., Queen's College, Cork
Swanzy, H. R., M.D., Merrion-square, north
Sweetman, Patrick, 23 Francis-street
Symes, George, Burlington House, Burlington-road
* Talbot de Malahide, Right Hon. Lord, The Castle, Malahide
* Taylor, Moses, Morristown, Newbridge
Taylor, Thomas H., 36 Wellington-road
* Tickell, George, J.P., 18 Mary-street
* Tighe, The Right Hon. W. F. Woodstock, Innistiogue
* Thomson, William, M.D., 34 Harcourt-street
* Thompson, H. Yates, Ennismore Gardens, Prince's Gate, London
Thompson, Henry, 13 Fitzwilliam-place
* Toole, Charles, D'Olier-street
Torney, Thomas, M.D., 8 Blackhall-street
* Townsend, Charles Uniacke, 10 Burlington-road
Townsend, William Uniacke, 10 Hatch-street
* Traill, Anthony, LL.D., F.T.C.D., Trinity College
Trench, Hon. C., 6 Merrion-square, south

Turbett, Robert E., 3 Bachelor's-walk
✠ Tyrrell, James, 36 Merrion-square, east
Vance, Thomas, J.P., 9 Bridge-street
✠ Vandeleur, Colonel C. Moore, Kilrush House, Kilrush
Wade, Robert, M.D., 208 Great Brunswick-street
Wallace, Charles J., Belfield, Booterstown
Waller, Edmund W., Brewery, James's-gate
Walpole, George, 8 Suffolk-street
Walpole, Edward, 8 Suffolk-street
Wardell, J. D., 40 Leeson-street
✠ Warren, Robert, J.P., 40 Rutland-square
Waterhouse, Samuel, 25 Dame-street
✠ West, George Aug., Altadore, Blackrock
West, Langley A., Shanganagh Grove, Ballybrack
Westby, E. P., Roebuck Castle, Dundrum
White, Nicholas C., M.D., 5 Grosvenor-road
✠ White, R. Blair, 40 Morehampton road, Donnybrook
✠ White, William, G., 56 Pembroke-road
✠ White, William, George's Hill, Balbriggan
Whitestone, Berkeley E., Brooklawn, Chapelizod
✠ Whitty, John Irwin, LL.D., 94 Lower Baggot-street
Wigham, Henry, 33 Capel-street
Wigham, J. R., Albany House, Monkstown
✠ Williams, J. E., R.A.
Williams, R. P., 38 Dame-street
Wilson, George Orr, Dunardagh, Blackrock
Wilson, John C., 10 Russell-street
✠ Wilson, W. H., 59 Pembroke-road
Wilson, W. Wesley, 84 James's-street
Wilson, James, LL.B., 65 Fitzwilliam-square, north
Wilson, Thomas, 65 Fitzwilliam-square, north
Winstanley, James, Drummartin House, Dundrum
Woodlock, Joseph, 42 Dame-street
Woodlock, T., 42 Dame-street
Woodlock, William, 15 Mountjoy-square
✠ Wright, Joseph, Evandale, Conyngham-road
Wybrants, William Geale, Four Courts
✠ Yeates, Stephen, 2 Grafton-street
Young, Robert F., 34B College-green
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BRITISH MUSEUM
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NATURAL HISTORY
Presented.
21 MAR. 1906

21 MAR. 1906

ANNUAL REPORT

OF

The Royal Zoological Society

OF IRELAND,

FOR THE YEAR ENDED 31ST DECEMBER, 1883.

DUBLIN:
BROWNE & NOLAN, PRINTERS, NASSAU-STREET.
1884.

OFFICERS AND COUNCIL, 8th JANUARY, 1884.

PATRONESS.

HER MAJESTY THE QUEEN.

EX-PRESIDENTS.

HIS GRACE THE DUKE OF LEINSTER.
VISCOUNT POWERSCOURT.
EARL SPENCER, K.G.
J. W. MURLAND.

PRESIDENT.

SIR JOHN LENTAIGNE, C.B.

VICE-PRESIDENTS.

REEVES, R.
MAPOTHER, E. D.
LALOR, J. J.
ROBERTS, S. U.
TOWNSHEND, C. U.

SECRETARY.

HAUGHTON, REV. S.

TREASURER.

HUTTON, T. M.

COUNCIL.

ABRAHAM, P. S.
BALL, R. S.
BARTON, H. M.
BOYLE, R. W.
CARTE, W.
CORLEY, A. H.
FINDLATER, W.
GORDON, S.
HOGG, J.
MACDONNELL, R.
MOLLOY, VERY REV. DR.
PEEBLES, W. E.
STOKES, W.
STONEY, B. B.
TRAILL, A.

Laws and Regulations

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

Chapter I.—THE CONSTITUTION.

1. The Society consists of Ordinary Members and Honorary Members.

2. The Officers shall be chosen from amongst the Ordinary Members, and shall be—

A President,
Five Vice-Presidents,
A Secretary, and
A Treasurer,

who, together with fifteen other Ordinary Members of the Society, shall constitute the Council.

3. The Officers and Council for each year shall be elected at the Annual General Meeting of the Society.

4. But in case any Officer, or other Member of the Council, shall die or resign, the Council may appoint a Member to supply his place until the next Annual Meeting.

Chapter II.—THE MEMBERS.

1. Every person wishing to become a Member of the Society must be proposed in writing to the Council by one Member of Council, and seconded by another; and upon election and payment of his admission fee, such person shall be a Member of the Society.

2. But he shall not exercise the privileges of a Member until his first year's Subscription is paid in advance.

3. The Admission Fee shall be *One Pound*, the Annual Subscription *One Pound*, and the Composition for life in lieu thereof, *Ten Pounds*.

4. The Annual Subscription shall be due on the first of January in each year, and shall be payable in advance.

5. If the Subscription of any Member is not paid within one year after it is due, he shall cease to be a Member until he shall have paid up his arrears.

6. No person becoming a Member after the first day of October in any year, shall be liable for the Subscription for that year.

7. No person shall exercise the privileges of a Member until he shall have paid his Subscription for the current year.

8. Ladies may be admitted as Members upon the same terms, and with the same privileges, as gentlemen.

9. Members of the Society, and such Members of their families as are *bonâ fide* resident with them, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and in the case of children of Members, the name of the person in charge of them being also signed.

Chapter III.—HONORARY MEMBERS.

1. Distinguished persons may be elected Honorary Members without annual or other payment, by a vote of the Society, at any of its Meetings, upon the previous recommendation of the Council.

2. Honorary Members shall have the same privileges as other Members, except that of voting at the Meeting.

3. The number of Honorary Members shall be limited to twenty

Chapter IV.—THE OFFICERS.

The President.

1. The President shall preside at all Meetings of the Society and Council, when present, and shall generally superintend the affairs of the Society.

2. The same person shall not be President for more than five successive years.

3. Ex-Presidents shall continue to be Honorary Members of Council.

Vice-Presidents.

1. Of the five Vice-Presidents, two at least shall go out at each election, but this shall not prevent their continuing Members of Council in another capacity.

2. The Vice-Presidents shall supply the place of the President in his absence.

The Secretary.

It shall be the duty of the Secretary to see to the execution of the rules, orders, and directions of the Society and Council.

The Treasurer.

No money shall be paid by the Treasurer, except upon the written order of the Council, signed by at least three of its Members.

Chapter V.—THE COUNCIL.

1. Three Members shall form a Quorum.

2. The Council shall meet at such times as they themselves shall determine.

3. It shall be the duty of the Council to conduct the business of the Society, subject to the laws and regulations of the Society at large.

4. All questions shall be decided by the majority of voices; and where the numbers are equal, the Chairman shall have a casting voice; but he shall not vote except in such case.

5. The Council may summon a Meeting of the Society for scientific purposes whenever they think fit, stating the object of such Meeting; and at such Meeting no business but that stated in the notice shall be discussed.

6. At least three of the Council shall go out at each election.

7. No member of the Society having any contract with the Society or Council for which payment is to be made, shall be eligible to a seat in the Council in any capacity; and if the name of any member of the Society having a contract with the Society, or receiving any fee or emolument from the Society, shall be found in the Ballot, that name shall be set aside by the Chairman, notwithstanding any number of votes that may be appended to it; and if any Member or Officer of the Council enter into any contract with the Society, or receive from it any fee, payment, or emolument, his seat shall become *ipso facto* vacant in the Council, and the Council shall immediately summon a Meeting of the Society, to elect a member to the vacant place.

Chapter VI.—ANNUAL MEETING.

The Annual Meeting shall be held on the second Tuesday in January in each year, for the purpose of electing the Council and Officers for the ensuing year, and of hearing the Report of the Council read, and auditing the Accounts.

Election of Officers.

1. The Council for the time being shall annually cause to be prepared a list of persons whom they recommend to be Officers and Council for the ensuing year.

2. The list shall distinguish the three or more Members proposed to be removed, and the three or more proposed to be elected in their room, and it shall be transmitted to each Member residing in Dublin, by post, along with the notice of the time and place of the General Meeting, to be sent at least seven days before the day of Meeting.

3. The Chair shall be taken at four o'clock, when the Ballot shall commence and continue open for one hour, at the expiration of which time the Chairman shall proclaim that the time had arrived when the ballot shall close, and order the porter not to admit any other Members into the room, and then the Chairman shall call on the Members in the room who have not balloted to come forward and ballot. and the scrutiny shall forthwith take place; and those persons to whose names the greater number of marks shall have been affixed shall be declared duly elected in the order and places in which they stand, provided at least three new Members be elected, but if not, then these of the proposed Members who have the least number of marks shall be rejected, until at least three former Members are excluded, and their places shall be filled by those who have the next greatest number of marks.

4. If two or more names have the same number of marks, the order of preference shall be decided by lot.

General Business.

1. No motion respecting a change in the laws or constitution of the Society shall be discussed or voted upon at the Annual or other meeting, except as hereafter provided, unless notice thereof be given in writing to the Council, at least one month before such meeting; the Council to give seven days' notice to the Members, as before ordered.

2. But the Council may propose, and bring to the vote, any measure or question, at any of the Meetings of the Society, provided it shall have been under their consideration for at least one month, and that notice thereof be given to the Members in the circular notice of such Meeting, at least seven days previous to the day of Meeting.

Chapter VII.—THE GARDENS.

I. Any person enrolling his name in a book kept at the gate of the Gardens, and paying One Pound a year, shall be a Subscriber, and shall have the same privileges of ingress to the Gardens, as a Member of the Society.

The Council shall have the power of suspending all rights of free entrance to the Gardens upon the day of a public fete, or similar occasion, when such shall be given for the benefit of the Society.

3. During frost, the Council shall have power to suspend all privileges of Members and Garden Subscribers, except that of personal admission.

4. The Council shall have power from time to time to vary, as may seem fit to them, the rates of admission to non-subscribers.

THE ANNUAL Meeting of the ROYAL ZOOLOGICAL SOCIETY OF IRELAND was held in the College of Physicians on Tuesday, 8th January, 1884.

Sir JOHN LENTAIGNE, C.B., PRESIDENT, IN THE CHAIR.

REPORT OF COUNCIL.

During the year 1883, the number of Visiters to the Gardens, and the receipts at the entrance gate, were as follows:—

ADMISSION TO ZOOLOGICAL GARDENS, 1883.

Members			...	..	13,942		
Public Institutions				...	3,279		
Visiters' Tickets				...	671		
	s.	*d.*				£ *s.*	*d.*
Visiters at	2	6		...	600	75 0	0
Do. ,,	1	0		...	12,542	627 2	0
Do. ,,	0	6		...	10,242	256 1	0
Do. ,,	0	3		...	2,352	29 8	0
Schools ,,	0	3		...	1,149	14 7	3
Visiters ,,	0	2		...	45,486	379 1	0
Do. ,,	0	1		...	15,216	63 8	0
					105,479	£1,444 7	3

During the preceding year, the corresponding numbers were

Members			...	...	14,202		
Public Institutions				...	2,087		
Visiters' Tickets				...	1,248		
	s.	*d.*				£ *s.*	*d.*
Visiters at	5	0		...	125	31 5	0
Do. ,,	2	6		...	3	0 7	6
Do. ,,	1	0		...	12,531	626 11	0
Do. ,,	0	6		...	12,786	319 13	0
Do. ,,	0	3		...	3,604	45 1	0
Schools ,,	0	3		...	1,207	15 1	9
Visiters ,,	0	2		...	59,950	499 11	8
Do. ,,	0	1		...	17,855	74 7	11
					125,598	£1,611 18	10

The total number of Visiters and receipts at gate during the past ten years were as follows:—

Year.	Visiters.	Receipts.
1874	109,923	£1,442 14 4
1875	104,945	1,500 4 8
1876	98,491	1,353 8 7
1877	102,416	1,367 4 10
1878	110,173	1,494 3 4
1879	103,155	1,298 1 5
1880	112,727	1,353 19 9
1881	120,787	1,439 14 5
1882	125,598	1,611 18 10
1883	105,479	1,447 7 3

During the corresponding years the total receipts from Entrance Fees and Subscriptions were as follows:—

Year.	Entrance Fees and Subscriptions
1874	£610
1875	429
1876	448
1877	595
1878	580
1879	551
1880	531
1881	724
1882	723
1883	416

The receipts from Sunday admissions, during the past ten years, have been:—

1874	£497 8 4
1875	561 10 11
1876	521 8 7
1877	523 6 7
1878	535 10 4
1879	467 13 5
1880	539 3 3
1881	524 0 11
1882	573 19 7
1883	442 9 0

The Council authorised a Dog Show in the Gardens, which was held on the 4th, 5th, and 6th September, and proved not only attractive to the public but profitable to the Gardens, as the nett Profit amounted to £153 14*s.* 7*d.*

It appears so reasonable to make pet animals contribute to the support of their wild cousins that the Council intend to hold a Dog Show every year, during the week of the Royal Society's Horse Show, when Dublin has so many visiters from the country.

Receipts

FOR YEAR ENDING 31st DECEMBER, 1883.

			£ s. d.
To Balance in Bank, &c., 31st December, 1882 ...			321 15 11
Admission to Gardens—			
Members	13,942		
Public Institutions ...	3,279		
Visiters' Tickets	671		
Do. at 2s. 6d. ...	600	75 0 0	
Do. at 1s. ...	12,542	627 2 0	
Do. at 6d. ...	10,242	256 1 0	
Do. at 3d. ...	2,352	29 8 0	
Schools at 3d ...	1,149	14 7 3	
Visiters at 2d. ...	45,486	379 1 0	
Do. at 1d. ...	15,216	63 8 0	
Total Admissions ...	105,479	1,444 7 3	
Deduct Amount of Admissions to Dog Show, transferred to Dog Show Account ...		389 10 0	
Total Ordinary Admissions		1,054 17 3	
Books of Admission Tickets		23 0 0	
Cash received from Tramway Company ...		3 12 8	
			1,081 9 11
Government Grant		...	500 0 0
Members' Subscriptions—			
Members		267 0 0	
Garden		134 1 0	
Life		10 0 0	
Entrance Fees		5 0 0	
			416 1 0
Donations		...	10 0 0
Animals sold		...	14 3 0
Amount of One Deposit Receipt		55 10 9	
Interest on Do.		0 13 5	
			56 4 2
Net Gain resulting from Dog Show		...	153 14 7
Amount of Draft not presented at Bank, now cancelled		...	2 15 6
Balance due to Bank, &c.		...	223 2 6
			£2,779 6 7

Expenditure

	£ s. d.
Purchase of Animals, &c.	433 0 5
Provisions of Animals	1,038 17 5
Incidentals, including Printing, Advertisements, Men's Clothing, &c.	50 11 0
Coal and Coke	86 3 0
Salaries and Wages	723 8 6
Buildings and Plantations	333 5 5
Water Rate, per Meter	77 13 10
Cost of Promenades—Bands	35 6 0
Fire Insurance	1 1 0
	£2,779 6 7

Examined and Correct.

Certified by me.

HENRY BROWN, *Public Auditor*,
2, Fownes's-street.

January 30th, 1884.

APPENDIX.

RETURN OF ANIMALS ADDED

TO THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND

DURING THE YEAR 1883.

ANIMALS.		PRESENTED BY
1 Swan	..	Commander G. F. Crofton, Harbour Master, Kingstown
1 Goat (Dusty)	..	Dr. Mackenzie, Royal Navy
1 Weasel	..	Duke of Leinster's Gamekeeper
6 Guinea Pigs	..	Mrs. Kerr, Monta-villa, Knock
1 White Rat	..	Mrs. Kerr, Monta villa, Knock
1 South African Hawk	..	Dr. Brooks, 7 Chelmsford-road
2 Pea Hens	..	Mr. David Pressly, Knockmaroon
10 Green Tree Frogs	..	Master Donally, 57 Upper Mount-street
1 Jutia Carabali	..	Hon. F. Lawless, Maretimo, Blackrock
3 Rabbits	..	Dr. Hime, Foyle College, Derry
1 Badger	..	Dr. Evens, Kilkiel, Co. Down
1 Badger	..	John Finnemor, Ballyward, Co. Wicklow
3 Cranes	..	Joseph Dunn, 26 D'Olier-street
1 Turtle	..	Dr. ———, Royal Canal House
4 Geese	..	The Marquis of Ely
1 Kite 1 Fox	}	C. P. Lyster, J.P., F.R.C.S.I., Kilkenny
1 Emu	..	Dr. W. Crozier, 4 Wellington-road
1 Bonnet Monkey	..	James Quinne, Heywood-road, Clonmel
1 Capuchin Monkey	..	Mrs. Flood, Rathgar
2 Snakes	..	J. J. Lalor, Esq., J.P., Drummartin Castle, Dundrum
1 Goat (Bill)	..	Dr. P. A. Armstrong, Castletown Bere-haven
1 Swan	..	G. R. Kinahan, Dundrum
1 Owl	..	Thomas F. Brady, 11 Percy-place
1 Golden Eagle	..	Earl of Roden
1 Peacock	..	D. P. S. Abraham, 5 Clare-street

ANIMALS		PRESENTED BY
1 Alexander Parrakeet	..	James Doyle, 15 Queen-street
1 Sparrow Hawk	..	Thomas Hannd, The Reformatory, South Circular-road
1 Red Squirrel	..	Miss MacDermot
2 Rabbits	..	James Clarke, Manor-street

ANIMALS PURCHASED.

1 Sooty Paca
4 Dog face Baboon Monkeys
6 Joss Monkeys
2 Sooty Monkeys
2 Lionesses
1 Caracal
4 Grey Squirrels
13 Bishop Birds
4 Armadillos
5 Curasows
12 Cockatiels
1 African Bush Cat
8 Whidah Birds
24 Red Headed Weaver Birds
1 Bengalee
1 Small Oriel
1 Blue Bird
8 White Manikens
2 Zebra Finches
1 Cordon Blue
4 Nonpariels
8 Campasoos
1 Wallaby
1 Seal
1 Crocodile
1 Seal
2 Otters

ANIMALS BORN IN THE GARDENS DURING THE YEAR 1883.

4 Lion Cubs
1 Red Deer
1 Yak

List of Members

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

HONORARY MEMBERS.

Bell, Professor, F.R.S., Selbourne
Carus, M. Victor, Museum, Leipsic
Gould, John, F.R.S., 26 Charlotte-st., Bedford-square, London
Jenyns, the Rev. L., F.R.S.
Jones, Professor Rymer, F.R S., King's College, London
Just, Wm., Pacific Steam Navigation Company, Liverpool
Lea, Isaac, LL.D., Philadelphia
Leech, Colonel, R.E., Highgate, London
Mayo, Right Hon. the Earl of, Palmerston House, Naas
Montgomery, General G. S., H. M. Indian Army, C.S.I., Fort Royal, Rathmullen
Owen, Professor, F.R.S., British Museum, London
Rupell, M. M., Frankfort
Sclater, P. Lutley, Ph.D., F.R.S., Secretary, London Zoological Society
Trevelyan, Sir Charles, K.C.B., Indian Service
King, Charles Croker, M.D., 34 Upper Fitzwilliam-street

CORRESPONDING MEMBERS.

James Armstrong, M.B., 8, Leeson park
William Armstrong, Surgeon-Major, Curragh Camp
Colonel Collingwood, 21st Fusiliers
William Corbet, Green Hall, Rathcormack, county Cork
John P. Denton, jun., West Hartlepool
George S. Dobson, Assistant Staff Surgeon, India, Royal Victoria Hospital, Netley, Southampton
Colonel Dwyer, 1st Battalion 14th Regiment
Hon. H. Fitzgerald, Trinidad
J. B. Hamilton, Esq., M.D., Royal Artillery, Surgeon-Major
His Excellency Sir J. Pope Hennessy
Henry Thomas Henry, M.D., Bathurst, Gambia, West Africa
J. J. Lamprey, M.D., 2nd West India Regt., Cape Coast Castle
E. C. Markey, Esq., M.D., Surgeon-Major, India
F. A. Montgomery Moore, late 1st West India Regiment
C. B. Mosse, Surgeon-Major, Kingston, Jamaica
Capt. Joseph Nelson, ship, "Parsee," 4, Eglinton-ter., Ranelagh
J. M. Price, Surveyor-General, Hong Kong
Captain Seymour, Chief Commissioner of Police, Queensland
E. Guy Selby Smyth, Sunbury-on-Thames
Rev. John MacG. Ward, Chaplain R.N., H.M.S. Topaze
Dr. Samuel Warren, 55 Park-avenue, Sandymount
N. W. Fitzgerald, 33 Queen-street, Melbourne
William Hart, M.B., Sierra Leone

LIFE AND ANNUAL MEMBERS.

✠ *Indicates Life Members.*

✠ His Excellency Earl Spencer, Lord Lieutenant of Ireland, Dublin Castle
✠ The Right Hon. the Earl Cowper, K.G.
✠ The Countess Cowper
✠ His Grace the Duke of Abercorn
✠ The Right Hon. the Earl of Kimberley
✠ Abbott, Rev. Thos. K., F.T.C.D., Trinity College
Abraham, Phineas S., 5 Clare-street
Aitken, A., 8 Brandon-place, Glasgow
Alexander, Alfred J., Richmond-villa, Monkstown
Alexander, William, 10 Belgrave-square, Monkstown
✠ Allen, Henry J., Fern Dene, Stradbrook, Blackrock
✠ Allen, Richard Purdy, 48 Pall Mall, London, S.W.
Allen, Richard, 28 Lower Sackville-street
✠ Annally, Lord, Woodlands, Clonsilla
✠ Archer, William, F.R.S.
✠ Ardilaun, Right Hon. Lord, St. Anne's, Clontarf
✠ Ardilaun, The Lady, St. Anne's, Clontarf
Armstrong, G. R., King's Hospital, Blackhall-place
Atthill, Lombe, M.D., 94 Merrion-square
✠ Atkinson, Robert, Trinity College
✠ Atkinson, John, Ely-place
Babington, William, D.A. 1 Roby-place, Kingstown
Bagot, John, J.P., 28 William-street
Baily, John, C.E., 3 Blackhall-place
✠ Ball, Charles B., M.D., 16 Lower Fitzwilliam-street
✠ Ball, Robert Stawell, LL.D., Observatory, Dunsink
✠ Ball, Valentine, 1 Raglan-road
✠ Bangor, Right Hon. Lord, Castleward, Downpatrick
✠ Banks, John T., M.D., 11 Merrion-square, east
✠ Barker, Richard Oliver, 6 Gardiner's-row
✠ Barker, William Oliver, M.D., 6 Gardiner's-row
Barlow, Captain John, 2 Belfast-terrace
Barrington, Sir Croker, Bart., 60 Fitzwilliam-square, north
Barrington, Sir John, Knt., D.L., J.P., St. Anne's, Killiney
✠ Barrington, R. M., Fasseroe, Bray
Barry, John E., 12 Mountjoy-square, north
Barton, Freeman, 38 Upper Fitzwilliam-street
Barton, Henry M., 4 Foster-place
Barton, John K., M.D., 24 Lower Fitzwilliam-street
Baxter, Charles Patrick, M.D., 66 Lower Baggot-street
✠ Beach, Sir M. E. Hicks, M.P., Portman-square, London
✠ Beaney, J. G., M.D., Melbourne

Bennett, Edward H., M.D., 26 Lower Fitzwilliam-street
Bennett, James C., Ellerslie, Temple-road, Rathmines
Bentham, William, 66 Upper Sackville-street
✠ Bewley, Samuel, J.P., 6 Dame-street
✠ Bewley, Samuel, junior, 6 Dame-street
✠ Black, William Fleming, 27 Eccles-street
✠ Blood, Bagot, 38 Wellington-road
✠ Blood, J. L. H., Longford-terrace, Monkstown
Blood, Frederick, Mountjoy Brewery
Blyth, John, M.D., The Slopes, Kingstown
✠ Bolton, S. H., J.P., Grove House, Rathmines-road
✠ Bookey, Mrs. William, Beauchamp, Bray
✠ Bomford, George, Oakley Park, Kells
Boyd, R. Macrory, Walworth, Grand Canal
Boyd, Samuel, J.P. Shanganagh Park, Loughlinstown
Boyle, Richard W., J.P., College-green
Brady, Thomas F., 11 Percy-place
✠ Brady, Maziere J., 2 Wilton-place
Brady, James, M.D., 38 Harcourt-street
✠ Bridgeford, W. B., 48 Sackville-street, Lower
✠ Brooke, Sir Victor, Bart, Colebrook, Brookboro'
✠ Brooks, Maurice, M.P., Sackville-place
✠ Brooks, M., jun., Gresham-terrace, Kingstown
✠ Browne, R. C., Viewmount, Carlow
Browne, Robert, M D., Largo House, Rathmines
Brown, Vere Ward, Ralnagowan, Upper Rathmines
Browne, Mrs., 8 Merrion-square, North
Brunker, James E., Rostellan, Temple-road, Rathmines
Burke, Edward F., 16 Bachelor's-walk
Burke, William, 1 Clanwilliam-place
✠ Burke, Sir Bernard (Ulster), Dublin Castle
Burne, Joseph Graham, M.D., 38 Westland-row
✠ Burton, Decimus, F.R.S., 37 Gloucester Gardens, Bayswater, London
✠ Butler, Lord James, 18 Rutland-square, north
Byrne, John A., M.D., Merrion-square
Calwell, Nathaniel, 39 Fitzwilliam-place
Cameron, C. A., M.D., Pembroke-road
Campbell, Alderman, Mountjoy-square
Carleton, James Crichton, 62 Northumberland-road
✠ Carlingford, Right Hon. Lord, Carlton gardens, London
✠ Carpenter, Arundel, 125 Leinster-road
Carroll, Coote Alexander, Boston Spa. Tadcaster, Yorkshire
✠ Carson, Rev. Joseph, D.D., F.T.C.D., Trinity College
✠ Carte, William, M.D., J.P., Royal Hospital
✠ Carte, William Alexander, M.D., Military-road
Casey, Robert, Montpelier House, Monkstown
✠ Cavendish, Lord Edward, Devonshire House, Piccadilly, London
Chambre, John, Mespil House
✠ Charlemont, Right Hon. the Earl of, Roxborough, Moy
Chatterton, Right Hon. the Vice-Chancellor, Newpark, Newtown Park-avenue, Blackrock
Chatterton, Abraham T., 10 Clyde-road
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Clibborn, James, Woodville, Sandford
Cloncurry, Lady, Maretimo, Blackrock
✠ Close, H. W., Bank, Henry-street
✠ Close, S. H., Bank, Henry-street
Close, Rev. M. H., 38 Lower Baggot-street
Colles, G. C., 8 Kildare-street
Colles, William, M.D., 21 St. Stephen's-green
Collins, Thomas, M.D., 48 William-street
Colville, James C., Coolock House, Raheny
Connolly, Lieut.-Col., V.C., 21 Rutland-square
✠ Connor, John, Anatomical Museum, Trinity College
Copland, Charles, Longford-terrace, Monkstown
Copland, J. W., 4 Foster-place
Corbet, Daniel, 12 Clare street
Corley, A. H., M.D., 30 Baggot-street
✠ Cornwall, Gustavus, 17 Harcourt-street
✠ Cornwall, Robert, 36 Rutland-square
Crawley, W. J. Chetwode, LL.D., F.G.S., 66 Mountjoy-square, west
Cotton, Charles P., C.E., Ryecroft, Bray
✠ Cowper, Henry A., 29 Fitzwilliam-place
Crampton, Sir John, Bart., Bushy Park, Enniskerry
✠ Creed, James, M.D., Assistant-Surgeon, 2nd Battalion 20th Regiment, 176 Rathgar-road
Cruise, Francis R., M.D., 93 Merrion-square, west
✠ Cusack, Sir Ralph S., J.P., Furry Park, Raheny
D'Arcy, Matthew P., D.L., 6 Merrion-square, east
Dickie, W. D., 41 Wellington-quay
Dillon, V. B., 7 Rutland-square
Dixon, G. Yeates, 4 Earlsfort-terrace
Dolling, Caledon, 34 Mountjoy-square
✠ Dowse, Richard, Right Hon. Baron, 38 Mountjoy-square
Drumm, Thomas, 4 Sackville-place
DuBedat, Francis F., 2 Foster-place
DuBedat, W. G. J.P., Ailesbury-road, Merrion
Dudgeon, H. James, 113 Grafton-street
Duffey, G. F., M.D., 30 Fitzwilliam-place
✠ Dufferin, Right Hon. the Earl of, Clandeboye, co. Down
✠ Dunally, Dowager Lady, Belgrave-square, Monkstown
Dunne, D. B., Ph.D., 4 Clanwilliam-place
✠ Dunnill, Benjamin, 1 Clifton-place, Monkstown
Eaton, Joseph, M.D., 37 Westland-row
Edmundson, Joshua W., Capel-street
✠ Ellis, George, M.D., 91 Leeson-street
Enniskillen, Right Hon. the Earl of, Florence Court
✠ Evatt, Robert B., D.L., Mount Louisa, Monaghan
✠ Farquharson, Robert, Munster Bank, Dame-street
✠ Farrell, E. Walter
✠ Faulkiner, Bolton W , late Captain, 95th Regiment, Pau
Fennel, Joshua G., 7 Longford-place, Monkstown
Ferguson, John R., A.M., M.B., 20 Sherrard-street, upper
Fetherston, S. H. Radcliffe, 17 Eccles-street
✠ Findlater, John, Melbeach, Monkstown, co. Dublin
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✠ Findlater, William, M.P., 22 Fitzwilliam-square
✠ Fitzgerald, George F., F.T.C.D., Trinity College
Fitzgerald, Right Hon. Lord, Merrion-square, east
✠ Fitzgerald, Thomas, 22 Fitzgerald-place
✠ Fitzgibbon, Gerald, Right Hon. Lord Justice of Appeal, 10 Merrion-square, north
Fitzgibbon, Henry, M.D., J.P., 18 Lower Fitzwilliam-street
Fitzsimons, Francis, 15 Bridgefoot-street
Flanagan, Right Hon. Stephen Woulfe, Judge, Landed Estates Court, 20 Fitzwilliam-place
Foot, Arthur Wynne, M.D., 49 Leeson-street
Forrest, James, Grafton-street
Forster, John, St. Mary's, Temple-road, Rathmines
Fottrell, Edward, J.P., 46 Fleet-street
Fottrell, George, jun., 8 Great George's-street, north
Galbraith, Rev. Joseph A., F.T.C., Trinity College
Gardner, Robert, Ashley, Clyde-road
✠ Garstin, J. Ribton, Braganstown, Castlebellingham
Gerrard, Thomas, 11 Oakland villas, Rathgar
Gerrard, John Netterville, 86 Lower Baggot-street
Gibson, Right Hon. Edward, M.P., 23 Fitzwilliam-square
Gill, Henry Joseph, Roebuck, county Dublin
Gogarty, H. J. K., M.D., 5 Rutland-square
Goodbody. Jonathan, jun., 43 Dame-street
Goodman, John Fox, Ashbrook, Phœnix Park
✠ Gordon, Samuel Thomas, R. I. Constabulary Depot, Phœnix Park
Gordon, Samuel. M.D., 13 Hume-street
✠ Granard, Right Hon. Earl of, Castleforbes, county Longford
Grace, Major Percy Raymond, Boley, Monkstown
Gray, E. Dwyer, M.P., Pembroke House, Herbert-street
✠ Green, John M., Fernbank, Dundrum
Greene, Thomas, 49 St. Stephen's-green
✠ Greer, T., J.P., Grove House, Regent's Park, London, N.W.
✠ Gregory, Right Hon. W. H., Coole Park, Gort
Griffin, John, 5 Foster-place, and 29 Leinster-road, Rathmines
✠ Guinness, Edward Cecil, D.L., J.P., St. Stephen's-green
Hackett, W. W., J.P., 34 Leeson-park
Haddon, Alfred, College of Science, St. Stephen's-green
Hamerton, J. Taylor, 5 Ailesbury-road, Merrion
Hamilton, J. T., M.D., Brighton-terrace, Monkstown
Hamilton, Edward, M.D., 120 St. Stephen's-green
✠ Hamilton, Ion Trant, M.P., D.L., Abbotstown
✠ Hamilton, Miss Sydney, 5 Victoria-terrace, Clontarf
Hamilton, Sir Robert G. C., K.C.B., Under-Secretary's Lodge
Hancock, W. J., Synnot-place
✠ Harmon, Mrs., Inchicore
Harris, A. W., Alderman, 12 Wellington-road
✠ Hartington, Most Hon. the Marquess of, 78 Piccadilly, London
✠ Haughton, Rev. Samuel, M.D., F.R.S., 31 Upper Baggot-street
Hayes, Major, St. James's-terrace, Malahide
Head, Henry, M.D., 7 Fitzwilliam-square
✠ Henry, Mitchell, M.P., Kylemore, Galway

✠ Henry, F. H., Park-lodge, Straffan, county Kildare
✠ Henshaw, Alfred, Hatherton, Rathmines
✠ Hime, Maurice, M.A., Foyle College, Londonderry
✠ Hodson, R. A., Hollybrook, Bray
Hoey, Edward J., 22 College-green
Hogg, Jonathan, Stratford, Rathgar
Hogg, P. Thomas, 12 Cope-street
Hone, Brindley, Vevay House, Ballybrack
✠ Hone, N. Seafield, Malahide
Houston, Arthur, LL.D., 50 Fitzwilliam-square, west
Hudson, Edward, 55 Pembroke-road
Hughes, James S., M.D., 94 Merrion-square, west
Hull, Edward, M.A., Director of the Geological Survey Ireland, 5 Raglan-road
✠ Hutton, Thomas Maxwell, J.P., 118 Summerhill
✠ Hutton, Mrs. Thomas Maxwell, 118 Summerhill
✠ Hutton, Lucius O., 8 Fitzwilliam-place
✠ Hyland, James K.
Ingram, J. Kells, LL.D., F.T.C.D., 2 Wellington-road
Jackson, Surgeon-Major Sir Robert W., C.B.
✠ Jacob, Archibald H., M.D., 23 Ely-place
Jameson, Henry, Hermitage, Roebuck
✠ Jameson, James, Airfield, Donnybrook
✠ Jameson, John, St. Marnock's, Malahide
Jameson, John & Sons, Bow Lane
✠ Jameson, William, Montrose, Donnybrook
Jellett, Hewitt Poole, Q.C., Upper Pembroke-street
Jellett, Rev. J. H., Provost Trinity College, Provost's House
John, George Andrews, 7 Eustace-street
Johnston, Francis, Sloperton, Monkstown
✠ Johnston, Maziere, 2 Knapton-road, Kingstown
Johnston, George, M.D., 15 Stephen's-green, north
✠ Jones, John, 6 Dawson-street
Jones, Sir Thomas, 9 Upper Mount-street
Joynt, W. R., 43 Merrion-square
Jury, Mrs. Henry, 7 College-green
Kane, John, Leeson-park House
✠ Kane, Sir Robert, F.R.S., Fortlands, Killiney
✠ Kavanagh, Arthur, Borris House, Carlow
Kaye, W. S. B., LL.D., 16 Gardiner's-place
Kelly, James, J.P., 71 St. Stephen's-green
✠ Kelly, Richard W., Cope-street
Kelly, Thomas A., 5 Vesey-place, Kingstown
✠ Kennedy, Evory, M.D., J.P., Belgard, Clondalkin
Kennedy, Henry, M.D., Rutland-square
Kenny, Joseph E., M.D., 15 Rutland-square
✠ Kenny, Matthias, 3 Clifton-terrace, Monkstown
Kidd, George H., M.D., 30 Merrion-square, south
✠ Kildare, the Most Hon. the Marquess of, Carton, Maynooth
Kinahan, George, Roebuck-park, Dundrum
Kinahan, Edward H., D.L., 11 Merrion-square, north
Kinahan, Thomas W., 24 Waterloo-road

Kirkpatrick, J. Rutherford, M.B., 4 Upper Merrion-street
Kincaid, John Henry, J.P., 6 Leinster-street
Knox, Charles H., Creagh, Ballinrobe
✠ Lacy, Miss Frances, Inchicore Lodge
✠ Lalor, John J., J.P., Drummartin castle, Dundrum
✠ Lalor, Mrs., Drummartin Castle, Dundrum
✠ Latouche, J. W., 27 Bloomfield-avenue
Lawson, Right Hon. Mr. Justice, 27 Upper Fitzwilliam-street
Le Fanu, William R., Summerhill, Enniskerry
✠ Leinster, His Grace the Duke of, Carton, Maynooth
Lentaigne, Sir John, D.L., C.B., 1 Great Denmark-street
✠ Lentaigne, Joseph Nugent, J.P., 1 Great Denmark-street
Little, James, M.D., 14 Stephen's-green
Little, T. E., M.D., 42 Great Brunswick-street
Littledale, William F., 9 Ormond-quay
Lloyd, John R., 25 Clare-street
Lombard, James Fitzgerald, J.P., South-hill, Rathmines
Lyle, James Acheson, 13 Pembroke-road
✠ Lynch, Nicholas, 20 Wicklow-street
✠ Lyons, Robert D., M.B., M.P., 8 Merrion-square, west
M'Cay, William, F.T.C.D., Trinity College
M'Cann, James, J.P., Simmonscourt, Donnybrook
✠ Macalister, Alexander, M.D., 11 Upper Fitzwilliam-street
✠ Macartney, J. W. Ellison, M.P., The Palace, Clogher, county Tyrone
Macan, Arthur V., M.B., Rotunda Hospital
✠ M'Crea, Edward D., 50 William-street
M'Curdy, John, 10 Leinster street
M'Cullagh, Andrew, 25 Mountjoy-square
✠ MacDonnell, Alexander, C.E., North Eastern Railway, Newcastle
Macdonnell, John, M.D., Upper Fitzwilliam-street
✠ MacDonnell, James, 32 Upper Fitzwilliam-street
✠ MacDonnell, Robert, M.D., F.R.S., 89 Merrion-square
MacDonnell, Luke, 4 Merrion-square, east
MacDermott, Alfred, 43 Fitzwilliam-square
✠ M'Dowel, Benjamin George, M.D., 5 Merrion-square, south
M'Govern, Thomas, 21 College-green
Macken, James, 2 St. James's-terrace, Clonskeagh
M'Kee, Rev. T. A., 94½ Stephen's-green
M'Kerlie, Colonel, Sir Jno. G., K C.B., Clifton-terrace, Monkstown
✠ McMaster, Geo., M.A., J.P., Simmonscourt-avenue, Donnybrook
✠ Madden, Thomas Walter, Surgeon, 18 Westland-row
✠ Mahaffy, Rev. J. P., F.T.C.D., Trinity College
Malone, Lawrence, 7 Ely-place
Manley, Joseph, 17 Clyde-road
Manning, Robert, 4 Ely-place, Upper
✠ Mapother, E. D., M.D., 6 Merrion-square, north
Martin, Charles, 12 Fitzwilliam-place
✠ Martin, Richard, D.L., J.P., 7 Merrion-square, south
Martin, Thomas, North-wall
Mason, Thomas P., M.D., 92 Harcourt-street
Mathews, Jehu, 32 Lower Ormond-quay
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May, Right Hon. Lord Chief Justice, 13 Fitzwilliam-square
Megaw, W., 29 Rutland-square, west
Miller, F. A., 11 Thomas-street
Miller, J. M., Monkstown
Miller, James Staveley, Richview, Rathmines
Miller, Adam, Queen's Park, Monkstown
Mitchell, George, 20 Lower Sackville-street
Mitchell, Robert, Marino House, Killiney
✠ Molloy, Very Rev. Dr., Rector, Catholic University, St. Stephen's-green
✠ Monck, Right Hon. Viscount, Charleville, Bray
Montgomery, A. Vernon, 61 Harcourt-street
✠ Monteagle, Right Hon. Lord, Mount Trenchard, Foynes
✠ Moore, Robert H., F.R.C.S.I., 29 Upper Merrion-street
✠ Moore, Thomas J., Director, Museum, Liverpool
Moore, William F., Kenilworth-terrace, Rathgar
Moore, W. J., Botanic Gardens, Glasnevin
Moran, Edward, M.D., 12 Talbot-street
✠ Morrogh, Leonard, Fitzwilliam-square
Moyers, George, LL.D., 8 Vesey-place, Monkstown
Mulroney, William, Hazlewood, Dundrum
Murland, James W., Nutley, Booterstown
Murphy, E. B., 22 College-green
Murphy, Michael, 17 Eden-quay
Murphy, William, Dartry, Rathmines
✠ Neilson, James, 32 Lower Leeson-street
✠ Nesbitt, Miss, Leixlip House, Leixlip
Nolan, William, 24 Nassau-street
Norman, Francis, 16 Granby-row
Nugent, John, M.D., 14 Rutland-square
✠ O'Brien, Edward William, Cahirmoyle, Newcastle West
✠ O'Brien, Miss Charlotte, Cahirmoyle, Ardagh, co. Limerick
✠ O'Ferrall, James, 3 Gresham-terrace, Kingstown
O'Hagan, John, Judge Land Commission, 22 Up. Fitzwilliam-st.
O'Hagan, Right Hon. Lord, K.P., 34 Rutland-square
O'Keeffe, Dixon C., Richmond House, Templemore
✠ Ormond, Most Hon. Marquess of, Kilkenny Castle
Ormsby, Lambert Hepenstall, M.D., 4 Merrion-square west
Overend, Thomas George, 47 Eccles-street
✠ Palgrave, Charles, 17 Eden-quay
Palmer, Sir Roger, Bart., Kenure Park, Rush
Panton, Arthur, F.T.C., Trinity College
✠ Parker, Alexander, 46 Rathmines-terrace
Patterson, James, 20 Elgin-road
Paterson, Henry, Druid Lodge, Loughlinstown
Patton, A., M.D., Farnham House, Finglas
✠ Peebles, Robert W., 9 North Frederick-street
✠ Peebles, William E., 9 North Frederick-street
Perceval, Charles M., 36 Northumberland-road
Perrin, Mark, Knockdromin, Rush
Pigot, D. R., Churchtown House, Dundrum
Pigot, Thomas, 4 Wellington-road
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Pim, Frederic W., Heathville, Monkstown
✠ Pim, Jos. P., Esq., 35 Westland-row
Pim, Richard, Stradbrook Hall, Blackrock
Pim, George, Brenanstown, Cabinteely
Pim, Jonathan, William-street
Pim, Joseph Todhunter, Greenbank, Monkstown
Pim, Thomas, William-street
Pim, Thomas, jun., William-street
Pim, James, jun., Killarney Wood, Bray
Poole, Rev. Hewitt R., F.T.C.D., 15 Lower Fitzwilliam-street
✠ Porter, Sir George, M.D., 3 Merrion-square north
Power, Sir Alfred, K.C B., 35 Raglan-road
✠ Powerscourt, Right Hon. Viscount, Powerscourt, Enniskerry
Proud, Nicholas, Leconsfield, Glenageary
Quain, John, 49 Pembroke-road
✠ Rathborne, John G., Dunsinea, Phœnix Park
Reeves, Robert, 5 Fitzwilliam-place
Reeves, Richard S., 17 Merrion-square east
Reeves, Robert, 3 Upper Ely-place
✠ Reynolds, J. Emerson, Trinity College
✠ Riall, Mrs. Arthur, Chantilly, Loughlinstown
Rigby, John, 24 Suffolk-street
Roberts, S. U., C.E., 6 Burlington-road
✠ Robertson, C. John, M.D., District Asylum, Monaghan
Robertson, William, Fitzwilliam-square
✠ Roe, Henry, D.L., Mount Anville Park, Dundrum
✠ Rowley, Captain Thomas Taylor
Salmon, Rev. D., F.T.C.D., 81 Wellington-road
Savage, Mrs., Nutley, Donnybrook
Scott, Francis M., J.P., Island Bridge House
✠ Scriven, W. B., M.D., 33 St. Stephen's-green
Seale, Edward A., Cottage Park, Kilgobbin
✠ Shackleton, Joseph F., Anna Liffey Mills, Lucan
✠ Shackleton, Abraham, J.P., Clondarragh, Foxrock
Sherlock, D., 71 Lower Mount-street
✠ Shirley, Evelyn J., D.L., Carrickmacross
✠ Sligo, Most Hon. the Marquess of, Westport House, Westport
✠ Smith, Aquilla, M.D., 121 Lower Baggot-street
✠ Smith, Walter G., M.D., 34 Lower Baggot-street
✠ Smyth, Robert, 6 and 7 St. Stephen's-green
✠ Smyth, Edward Webber, 7 St. Stephen's-green
✠ Smyth, Robert William, 3 Seaview-terrace, Donnybrook
Smyly, P. Crampton, M.D., 4 Merrion-square, north
Smyth, George, 81 Pembroke-road
Speedy, Albert O., M.D., 28 North Frederick-street
✠ Spottiswoode, Lieutenant-Colonel A.
✠ Stanley, H. R., M.D., Malahide
✠ Staunton, C. F., M.D.
Steele, Right Hon. General Sir Thomas, K.C.B., Royal Hospital
Stein, Mrs., 49 Raglan-road
Stein, R. W., 49 Raglan-road
✠ Stewart, Alexander J. R., D.L., J.P., Ards House, co. Donegal
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✠ Stewart, Sir Robert P., 8 Trinity College
Stotherd, Colonel, R.E., Mountjoy Barracks, Phœnix Park
Stoker, E. A., M.B., 46 Rutland-square, west
✠ Stoker, William Thornley, M.D., 16 Harcourt-street
✠ Stokes, F., J.P., Commercial Buildings, Dame-street
✠ Stokes, William, M.D., 5 Merrion-square north
✠ Stoney, Bindon, C.E., 42 Wellington-road
Storey, J. B., M.B., 24 Lower Baggot-street
✠ Sugrue, Charles I. H., 4 Belvidere-place
✠ Sullivan, A. M., London
Sullivan, Right Hon. Sir Edward, Bart., the Lord Chancellor, Fitzwilliam-place
✠ Sullivan, W. K., Queen's College, Cork
Swanzy, H. R., M.D., Merrion-square, north
Sweetman, Patrick, 23 Francis-street
Symes, George, Burlington House, Burlington-road
Taylor, Thomas H., 36 Wellington-road
✠ Tickell, George, J.P., 18 Mary-street
✠ Tighe, The Right Hon. W. F. Woodstock, Innistiogue
Thomson, William, M.D., 34 Harcourt-street
✠ Thompson, H. Yates, Ennismore Gardens, Prince's Gate, London
Thompson, Henry, 13 Fitzwilliam-place
✠ Toole, Charles, D'Olier-street
Torney, Thomas, M.D., 8 Blackhall-street
✠ Townshend, Charles Uniacke, 10 Burlington-road
Townshend, William Uniacke, 10 Hatch-street
✠ Traill, Anthony, LL.D., F.T.C.D., Trinity College
Turbett, Robert E., 3 Bachelor's-walk
Vance, Thomas, J.P., 9 Bridge-street
✠ Vandeleur, Colonel C. Moore, Kilrush House, Kilrush
Wallace, Charles J., Belfield, Booterstown
Waller, Edmund W., Brewery, James's-gate
Walpole, George, 8 Suffolk-street
Walpole, Edward, 8 Suffolk-street
Wardell, J. D., 40 Leeson-street
✠ Warren, Robert, J.P., 40 Rutland-square
Waterhouse, Samuel, 25 Dame-street
✠ West, George Aug., Altadore, Blackrock
West, Langley A., Shanganagh Grove, Ballybrack
Westby, E. P., Roebuck Castle, Dundrum
White, Nicholas C., M.D., 5 Grosvenor-road
✠ White, R. Blair, 40 Morehampton-road, Donnybrook
✠ White, William G., 56 Pembroke-road
✠ Whyte, William, George's Hill, Balbriggan
Whitestone, Berkeley E., Brooklawn, Chapelizod
✠ Whitty, John Irwin, LL.D , 94 Lower Baggot-street
Wigham, Henry, 33 Capel-street
Wigham, J. R. Albany House, Monkstown
✠ Williams, J. E., R.A.
Williams, R. P., 38 Dame-street
Wilson, George Orr, Dunardagh, Blackrock
Wilson, John C., 10 Russell-street
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Wilson, Sir C. W., Ordnance Survey Office, Phœnix Park
✠ Wilson, W. H., 59 Pembroke-road
Wilson, W. Wesley, 84 James's-street
Wilson, James, LL.B., 65 Fitzwilliam-square, north
Wilson, Thomas, 65 Fitzwilliam-square north
Winstanley, James, Drummartin House, Dundrum
Woodlock, Joseph, 42 Dame-street
Woodlock, William, 15 Mountjoy-square
✠ Wright ,Joseph, Evandale, Conyngham-road
Wybrants, William Geale, Four Courts
✠ Yeates, Stephen, 2 Grafton-street
Young, Robert F., 34B College-green
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BRITISH MUSEUM
NATURAL HISTORY
ZOOLOGY
Presented
21 MAR. 1906

21 MAR 1906

ANNUAL REPORT

OF

The Royal Zoological Society

OF IRELAND,

FOR THE YEAR ENDED 31ST DECEMBER, 1884.

DUBLIN:
BROWNE & NOLAN, PRINTERS, NASSAU-STREET.
1885.

OFFICERS AND COUNCIL, 13th JANUARY, 1885.

PATRONESS.

HER MAJESTY THE QUEEN.

EX-PRESIDENTS.

HIS GRACE THE DUKE OF LEINSTER.
VISCOUNT POWERSCOURT.
EARL SPENCER, K.G.
J. W. MURLAND.
SIR JOHN LENTAIGNE, C.B.

PRESIDENT.

HAUGHTON, REV. S.

VICE-PRESIDENTS.

LALOR, J. J.
ROBERTS, S. U.
TOWNSHEND, C. U.
HUTTON, T. M.
FINDLATER, W.

SECRETARY.

BALL, V.

TREASURER.

BARTON, H. M.

COUNCIL.

ABRAHAM, P. S.
BALL, R. S.
CARTE, W.
CORLEY, A. H.
GORDON, S. T.
HADDON, A.
HOGG, J.
LLOYD, J. R.
MACDONNELL, R.
MAPOTHER, E. D.
O'REILLY, J. R.
PEEBLES, W. E.
REEVES, R.
STOKES, W.
TRAILL, A.

Laws and Regulations

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

Chapter I.—THE CONSTITUTION.

1. The Society consists of Ordinary Members and Honorary Members.

2. The Officers shall be chosen from amongst the Ordinary Members, and shall be—

A President,
Five Vice-Presidents,
A Secretary, and
A Treasurer,

who, together with fifteen other Ordinary Members of the Society, shall constitute the Council.

3. The Officers and Council for each year shall be elected at the Annual General Meeting of the Society.

4. But in case any Officer, or other Member of the Council, shall die or resign, the Council may appoint a Member to supply his place until the next Annual Meeting.

Chapter II.—THE MEMBERS.

1. Every person wishing to become a Member of the Society must be proposed in writing to the Council, by one Member of Council, and seconded by another; and upon election and payment of his admission fee, such person shall be a Member of the Society.

2. But he shall not exercise the privileges of a Member until his first year's subscription is paid in advance.

3. The Admission Fee shall be *One Pound*, the Annual Subscription *One Pound*, and the Composition for life in lieu thereof, *Ten Pounds*.

4. The Annual Subscription shall be due on the first of January in each year, and shall be payable in advance.

5. If the Subscription of any Member is not paid within one year after it is due, he shall cease to be a Member until he shall have paid up his arrears.

6. No person becoming a Member after the first day of October in any year, shall be liable for the Subscription for that year.

7. No person shall exercise the privileges of a Member until he shall have paid his Subscription for the current year.

8. Ladies may be admitted as Members upon the same terms, and with the same privileges, as gentlemen.

9. Members of the Society, and such Members of their families as are *bonâ fide* resident with them, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and in the case of children of Members, the name of the person in charge of them being also signed.

Chapter III.—HONORARY MEMBERS.

1. Distinguished persons may be elected Honorary Members without annual or other payment, by a vote of the Society, at any of its Meetings, upon the previous recommendation of the Council.

2. Honorary Members shall have the same privileges as other Members, except that of voting at the Meeting.

3. The number of Honorary Members shall be limited to twenty.

Chapter IV.—THE OFFICERS.

The President.

1. The President shall preside at all Meetings of the Society and Council, when present, and shall generally superintend the affairs of the Society.

2. The same person shall not be President for more than five successive years.

3. Ex-Presidents shall continue to be Honorary Members of Council.

Vice-Presidents.

1. Of the five Vice-Presidents, two at least shall go out at each election, but this shall not prevent their continuing Members of Council in another capacity.

2. The Vice-Presidents shall supply the place of the President in his absence.

The Secretary.

It shall be the duty of the Secretary to see to the execution of the rules, orders, and directions of the Society and Council.

The Treasurer.

No money shall be paid by the Treasurer, except upon the written order of the Council, signed by at least three of its Members.

Chapter V.—THE COUNCIL.

1. Three Members shall form a Quorum.

2. The Council shall meet at such times as they themselves shall determine.

3. It shall be the duty of the Council to conduct the business of the Society, subject to the laws and regulations of the Society at large.

4. All questions shall be decided by the majority of voices; and where the numbers are equal, the Chairman shall have a casting voice; but he shall not vote except in such case.

5. The Council may summon a Meeting of the Society for scientific purposes whenever they think fit, stating the object of such Meeting; and at such Meeting no business but that stated in the notice shall be discussed.

6. At least three of the Council shall go out at each election.

7. No member of the Society having any contract with the Society or Council for which payment is to be made, shall be eligible to a seat in the Council in any capacity; and if the name of any member of the Society having a contract with the Society, or receiving any fee or emolument from the Society, shall be found in the Ballot, that name shall be set aside by the Chairman, notwithstanding any number of votes that may be appended to it; and if any Member or Officer of the Council enter into any contract with the Society, or receive from it any fee, payment, or emolument, his seat shall become *ipso facto* vacant in the Council, and the Council shall immediately summon a Meeting of the Society, to elect a member to the vacant place.

Chapter VI.—ANNUAL MEETING.

The Annual Meeting shall be held on the last Tuesday in January in each year, for the purpose of electing the Council and Officers for the ensuing year, and of hearing the Report of the Council read, and auditing the Accounts.

Election of Officers.

1. The Council for the time being shall annually cause to be prepared a list of persons whom they recommend to be Officers and Council for the ensuing year.

2. The list shall distinguish the three or more Members proposed to be removed, and the three or more proposed to be elected in their room, and it shall be transmitted to each Member residing in Dublin, by post, along with the notice of the time and place of the General Meeting, to be sent at least seven days before the day of Meeting.

3. The Chair shall be taken at four o'clock, when the Ballot shall commence and continue open for one hour, at the expiration of which time the Chairman shall proclaim that the time had arrived when the ballot shall close, and order the porter not to admit any other Members into the room, and then the Chairman shall call on the Members in the room who have not balloted to come forward and ballot, and the scrutiny shall forthwith take place; and those persons to whose names the greater number of marks shall have been affixed shall be declared duly elected in the order and places in which they stand, provided at least three new Members be elected, but if not, then these of the proposed Members who have the least number of marks shall be rejected, until at least three former Members are excluded, and their places shall be filled by those who have the next greatest number of marks.

4. If two or more names have the same number of marks, the order of preference shall be decided by lot.

General Business.

1. No motion respecting a change in the laws or constitution of the Society shall be discussed or voted upon at the Annual or other meeting, except as hereafter provided, unless notice thereof be given in writing to the Council, at least one month before such meeting; the Council to give seven days' notice to the Members, as before ordered.

2. But the Council may propose, and bring to the vote, any measure or question, at any of the Meetings of the Society, provided it shall have been under their consideration for at least one month, and that notice thereof be given to the Members in the circular notice of such Meeting, at least seven days previous to the day of Meeting.

Chapter VII.—THE GARDENS.

1. Any person enrolling his name in a book kept at the gate of the Gardens, and paying One Pound a-year, shall be a Subscriber, and shall have the same privileges of ingress to the Gardens, as a Member of the Society.

2. The Council shall have the power of suspending all rights of free entrance to the Gardens upon the day of a public fete, or similar occasion, when such shall be given for the benefit of the Society.

3. During frost, the Council shall have power to suspend all privileges of Members and Garden Subscribers, except that of personal admission.

4. The Council shall have power from time to time to vary, as may seem fit to them, the rates of admission to non-subscribers.

THE Annual Meeting of the ROYAL ZOOLOGICAL SOCIETY OF IRELAND was held in the College of Physicians on Tuesday, 13th January, 1885.

Sir JOHN LENTAIGNE, C.B., PRESIDENT, IN THE CHAIR.

REPORT OF COUNCIL.

During the year 1884, the number of Visiters to the Gardens, and the receipts at the entrance gate, were as follows:—

ADMISSION TO ZOOLOGICAL GARDENS, 1884.

Members			...	10,920			
Public Institutions			...	3,592			
Visiters' Tickets			...	267			
	s.	d.			£	s.	d.
Visiters at	2	6	...	653	81	12	6
Do. ,,	1	0	...	13,383	669	3	0
Do. ,,	0	6	...	12,296	307	8	0
Do. ,,	0	3	...	2,447	30	11	9
Schools ,,	0	3	...	1,652	20	13	0
Visiters ,,	0	2	...	52,801	440	0	2
Do. ,,	0	1	...	16,834	70	2	10
				114,845	£1,619	11	3

During the preceding year, the corresponding numbers were:—

Members			...	13,942			
Public Institutions			...	3,279			
Visiters' Tickets			...	671			
	s.	d.			£	s.	d.
Visiters at	2	6	...	600	75	0	0
Do. ,,	1	0	...	12,542	627	2	0
Do. ,,	0	6	...	10,242	256	1	0
Do. ,,	0	3	...	2,352	29	8	0
Schools ,,	0	3	...	1,149	14	7	3
Visiters ,,	0	2	...	45,486	379	1	0
Do. ,,	0	1	...	15,216	63	8	0
				105,479	£1,444	7	3

The total number of Visiters and receipts at gate during the past ten years were as follows:—

Year.	Visiters.	Receipts.
1875	104,945	£1,500 4 8
1876	98,491	1,353 8 7
1877	102,416	1,367 4 10
1878	110,173	1,494 3 4
1879	103,155	1,298 1 5
1880	112,727	1,353 19 9
1881	120,787	1,439 14 5
1882	125,598	1,611 18 10
1883	105,479	1,447 7 3
1884	114,845	1,619 11 3

During the corresponding years the total receipts from Entrance Fees and Subscriptions were as follows:—

Year.	Entrance Fees and Subscriptions
1875	£429
1876	449
1877	595
1878	580
1879	551
1880	531
1881	724
1882	723
1883	416
1884	466

The receipts from Sunday admissions, during the past ten years, have been:—

1875	£561 10 11
1876	521 8 7
1877	523 6 7
1878	535 10 4
1879	467 13 5
1880	539 3 3
1881	524 0 11
1882	573 19 7
1883	442 9 0
1884	510 3 0

Your Council desire that the Society should express their best thanks to the outgoing President, Sir John Lentaigne, C.B., D.L., for his long-continued and valuable services to the Society both as Member of Council and President, but are glad to add that, as ex-President, he will retain a seat in the Council as an Honorary Member.

Two other Officers of the Society desire to retire from their present positions, Mr. T. Maxwell Hutton (Treasurer) and Rev. Dr. Haughton (Secretary), but the Council recommend that they should still give the benefit of their long experience to the incoming Council, Mr. Hutton as Vice-President, and Dr. Haughton as President.

Our Annual Dog Show did not produce as large a profit as that of last year, chiefly owing to unfavourable weather; but the entries of dogs were much larger, and the dogs of all descriptions of a better class.

The following extract from the Report of the Dog Show Committee will probably interest the Members:—

"Your Committee have pleasure in reporting that the Dog Show held in the Gardens on August 26th–29th, 1884, has resulted in a nett gain to the Society, after payment of all expenses, of £60 19*s.* 4*d.*

"The entries, amounting to 481, were considerably in excess of the previous year, when the number was 350. Ten of these were free under the rule passed by the Council giving the right of one entry to each Member.

"The dogs exhibited were for the most part of a high class, and the arrangements of the tent, benching, &c., were satisfactorily carried out by Messrs. Hopkins & Co. of Bristol.

"Messrs. Lowe, Vicary, and Gresham, acted as Judges, and no objections were entered regarding their decisions.

"The dogs were all safely returned to their respective destinations, and no claims have been lodged for delay, damage, or loss.

"The energy exhibited by Mr. Snow in carrying out all the

details of the Show, and his labour during the time it was being held, merit the thanks of the Society. Early and late he was at the work, and the measure of success which the Show has achieved is largely due to his efforts."

The stock of animals now in your Gardens, includes very fine examples of Lions, Tigers, Leopards, Buffaloes, the rare white Bactrian Camels, Elephants, Llamas, Bears, and others, all in good health and condition.

The Egyptian Pariah Dogs, captured on the field of battle at Tel-el-Kebir, and presented by Lieut. Cusack, have produced pups, and represent typical specimens of the kind of Eastern dogs that ate up the body of Jezebel while Jehu was at his dinner.

The Council have in contemplation several improvements in various departments of the Gardens, but wish to remind all their friends, that improvements mean ready money, and that the extent to which the Council can go depends upon the funds with which they are supplied.

Receipts — YEAR ENDING 3rd JANUARY, 1885.

			£ s. d.	£ s. d.
Admissions to Gardens—				
Members ...		10,920		
Public Institutions ...		3,592		
Visitors' Tickets ...		267		
Do.	at 2s. 6d. ...	653	81 12 6	
Do.	at 1s. ...	13,383	669 3 0	
Do.	at 6d. ...	12,296	307 8 0	
Do.	at 3d. ...	2,447	30 11 9	
Schools	at 3d. ...	1,652	20 13 0	
Visitors	at 2d. ...	52,801	440 0 2	
Do.	at 1d. ...	16,834	70 2 10	
Total Admissions ...		114,845	1,619 11 3	
Deduct Amount of Admissions to Dog Show, transferred to Dog Show Account ...		£342 12 6		
Do., do. remaining in Superintendent's hands...		3 6 0		
			345 18 6	
Total Ordinary Admissions ...			1,273 12 9	
Books of Admission Tickets ...			10 10 0	
				1,284 2 9
Government Grant ...				500 0 0
Members' Subscriptions—	Special.	Ordinary.		
Members ...	£4 0 0	£264 0 0	268 0 0	
Garden ...	—	116 1 0	116 1 0	
Life ...	60 0 0	—	60 0 0	
Entrance Fees ...	4 0 0	18 0 0	22 0 0	
	£68 0 0	£398 1 0		466 1 0
Donations ...	2 2 0	13 0 0	15 2 0	
				15 2 0
	£70 2 0			
Net Gain resulting from Dog Show ...£60 19 4				
Less Gratuity to Mr. Snow for his services 20 0 0	40 19 4	—	—	40 19 4
	£111 1 4			
Animals sold ...				184 5 0
Sale of Manure, Bones, &c. ...				39 1 3
„ Elephant's Tickets ...				2 13 3
Amount of One Deposit Receipt and Interest ...				67 15 1
Amount of Draft not presented at Bank, now cancelled ...				0 10 0
Balance due to Bank, &c. ...				78 3 6
				£2,678 13 2

Expenditure

	£ s. d.
Balance due to Bank, &c., 31st December, 1883 ...	243 2 6
Purchase of Animals, &c. ...	92 11 4
Provisions of Animals ...	950 4 6
Incidentals, including Printing, Advertisements, Men's Clothing, &c. ...	94 5 3
Coal and Coke ...	84 18 6
Salaries and Wages ...	739 9 6
Buildings and Plantations ...	267 6 5
Water Rate, per Meter and Pipes ...	64 0 10
Cost of Promenades—Bands ...	48 10 0
Fire Insurance ...	1 1 0
Auditor's Fees ...	2 2 0
Amount handed Dr. Haughton and Mr. Barton for Special Fund ...	111 1 4
	£2,678 13 2

SPECIAL FUND.

Amount of Subscriptions and Balance from Dog Show, handed to Dr. Haughton and Mr. Barton ...	£111 1 4	
		£111 1 4

Ponsonby & Weldrick ...	£3 6 10	
Browne & Nolan ...	1 11 0	
Prize E. J. Murphy, not deducted from Dog Show ...	1 0 0	
Balance ...	105 3 6	
		£111 1 4

January 7th, 1885. Examined and Correct. Certified by me. HENRY BROWN, *Public Auditor*, 2, Fownes's-street.

APPENDIX.

RETURN OF ANIMALS ADDED

TO THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND

DURING THE YEAR 1884.

ANIMALS.	PRESENTED BY
15 Guinea Pigs,	Edward Warren, Esq., Lodge Park, Co. Kilkenny
1 Yellow and blue Macaw,	Miss Johnston, Glynn, Belfast
1 Sulphur Cockatoo,	Mrs. Thornley Stoker, 16 Harcourt-street
1 Penguin,	Mrs. Branton
1 Peacock,	R. W. Boyle, Sutton
1 Racoon,	Richard Martin, 29 Sir J. Rogerson's-quay
1 Badger,	C. Lestrange, Esq., Kennisfort, Sligo
3 Weaver Birds,	Mrs. Collis
2 Spice Birds,	Mrs. Collis
2 Egyptian Dogs,	Lieut. Cusack, 87th Royal Irish Fusiliers
3 Hedgehogs,	M. Hime, Esq., Foyle College
2 Peregrine Falcons,	Geo. Godden, Phœnix Park
2 Barn Owls,	M. Hime, Esq., Foyle College
1 Hedgehog,	M. Hime, Esq., Foyle College
4 Peregrine Falcons,	Captain Scarlett, Limercraigs, Campbeltown
1 Gannet,	Dr. Abraham, 5 Clare-street
2 Adjutants,	Dr. Hart
2 Lap Rabbits,	Miss Mulroney, Hazlewood, Dundrum
3 Marsh Harriers,	T. M. Hilliard, 35 Prospect, Royal Canal
1 Amazon Parrot,	Mr. Pennington, R.I.C.
1 Hedgehog,	J. Butler, Esq., Tuam, Co. Galway
1 Barn Owl,	J. Butler, Esq., Tuam, Co. Galway
1 Crane,	A. Joynt, Esq., Grange Abbey, Raheny
1 Rhesus Monkey,	R. Armstrong, Esq., Arklow
1 Quail,	Dr. Gordon, R.I.C. Depot
1 Grouse,	Dr. Gordon, R.I.C. Depot
1 Fox,	— Lentaigne, Esq., 1 Great Denmark-street
1 Seagull,	Dr. P. S. Abraham, Clare-street
1 Egrit Monkey,	J. Hogg, Esq., Stratford, Rathgar
3 Sparrow Hawks,	Thos. Hanna, Rehoboth Reformatory
1 Goshawk,	W. Corbett, Esq., Greenhall, Rathcormack
1 Horned Owl,	W. Corbett, Esq., Greenhall, Rathcormack
1 Sparrow Hawk,	W. Corbett, Esq., Greenhall, Rathcormack

ANIMALS	PRESENTED BY
8 White Rats,	A. C. Mills, Esq., Johnville
4 Canaries,	E. D. Gray, Esq., M.P.
2 Green Paraquets,	
6 Clown Paraquets,	
1 Rhesus Monkey,	Mrs. Darby, Nenagh
1 Sparrow Hawk,	Geo. Godden, Phœnix Park
3 Guinea Pigs,	Miss Lilly Ledwidge, 3 Conyngham-road

ANIMALS PURCHASED.

2 Seals
1 Lemur
2 Goats
6 Ringtail Monkeys
6 Sooty do.
6 Rhesus do.
1 Civet Cat
1 Rhesus Monkey
2 Ravens
2 Civet Cats
1 Seal
6 Flying Foxes
1 Lemur
2 Marmots

ANIMALS BORN IN THE GARDENS DURING THE YEAR 1884.

3 Lion Cubs
2 Llamas.
2 Leopards
1 Llama

ANIMALS ON DEPOSIT.

2 White Camels from Messrs. Powell and Clarke, Belfast
1 Macaw, from R. Reeves, Esq., Merrion-square
1 Sulphur-coloured Cockatoo, Rev. S. J. Whitmee, Leinster-sq., Rathmines

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✠ Smith, Walter G., M.D., 34 Lower Baggot-street
✠ Smyth, Robert, 6 and 7 St. Stephen's-green
✠ Smyth, Edward Webber, 7 St. Stephen's-green
✠ Smyth, Robert William, 3 Seaview-terrace, Donnybrook
Smyly, P. Crampton, M.D., 4 Merrion-square, north
Smyth, George, 81 Pembroke-road
Speedy, Albert O., M.D., 28 North Frederick-street
✠ Spottiswoode, Lieutenant-Colonel A.
✠ Stanley, H. R., M.D., Malahide
✠ Staunton, C. F., M.D.
Steele, Right Hon. General Sir Thomas, K.C.B., Royal Hospital
Stein, Mrs. 49 Raglan-road
Stein, R. W., 49 Raglan-road
✠ Stewart, Alexander J. R., D.L., J.P., Ards House, co. Donegal
✠ Stewart, Sir Robert P., 8 Trinity College
Stoker, E. A., M.B., 46 Rutland-square, west
✠ Stoker, William Thornley, M.D., 16 Harcourt-street
✠ Stokes, F., J.P., Commercial Buildings, Dame-street
✠ Stokes, William, M.D., 5, Merrion-square, north
✠ Stoney, Bindon, C.E., 42 Wellington-road
Story, J. B., M.B., 24 Lower Baggot-street
✠ Sugrue, Charles I. H., 4 Belvidere-place
✠ Sullivan, A. M., London
Sullivan, Right Hon. Sir Edward, Bart., the Lord Chancellor, Fitzwilliam-place
✠ ivan, W. K., Queen's College, Cork

Swan, J. Percival, 58 Lower Dominick-street
Swanzy, H. R., M.D., Merrion-square, north
Sweetman, Patrick, 23 Francis-street
Taylor, Thomas H., 36 Wellington-road
✠ Tickell, George, J.P., 18 Mary-street
✠ Tighe, The Right Hon. W. F. Woodstock, Innistiogue
Thomson, William, M.D., 34 Harcourt-street
✠ Thompson, H. Yates, Ennismore Gardens, Prince's Gate, London
Thompson, Henry, 13 Fitzwilliam-place
✠ Toole, Charles, D'Olier-street
Torney Thomas, M.D., 8 Blackhall-street
✠ Townshend, Charles Uniacke, 10 Burlington-road
Townshend, William Uniacke, 10 Hatch-street
✠ Trail, Anthony, LL.D., F.T.C.D., Trinity College
Turbett, Robert E., 3 Bachelor's-walk
Twigg, S. Knox, 5 Bachelor's-walk
Vance, Thomas, J.P., 9 Bridge-street
✠ Vandeleur, Colonel C. Moore, Kilrush House, Kilrush
Wallace, Charles J., Belfield, Booterstown
Waller, Alfred, Merrion Hall, Merrion
Waller, Edmund W., Brewery, James's-gate
Walpole, George, 8 Suffolk-street
Walpole, Edward, 8 Suffolk-street
Wardell, J. D., 40 Leeson-street
✠ Warren, Robert, J.P., 40 Rutland-square
Waterhouse, Samuel, 25 Dame-street
✠ West, George Aug., Altadore, Blackrock
West, Langley A., Shanganagh Grove, Ballybrack
Westby, E. P., Roebuck Castle, Dundrum
White, Nicholas G., M.D., 5 Grosvenor-road
✠ White, R. Blair, 40 Morehampton-road, Donnybrook
✠ White, William G., 56 Pembroke-road
✠ Whyte, William, George's Hill, Balbriggan
Whitestone, Berkeley E., Brooklawn, Chapelizod
✠ Whitty, John Irwin, LL.D., 94 Lower Baggot-street
Wigham, Henry, 33 Capel-street
Wigham, J. R., Albany House, Monkstown
✠ Williams, J. E., R.A.
Williams, R. P., 38 Dame-street
Wilson, George Orr, Dunardagh, Blackrock
Wilson, John C., 10 Russell-street
Wilson, Sir C. W., Ordnance Survey Office, Phœnix Park
✠ Wilson, W. H., 59 Pembroke-road
Wilson, W. Wesley, Eden Vale, Cunningham-road
Wilson, James, LL.B., 65 Fitzwilliam-square, north
Wilson, Thomas, 65 Fitzwilliam-square, north
Winstanley, James, Drummartin House, Dundrum
Woodlook, Joseph, 42 Dame-street
Woodlock, William, 15 Mountjoy-square
Woodhouse, Stewart, M.D., Upper Merrion-street
✠ Wright, Joseph, Evendale, Conyngham-road
Wybrants, William Geale, Four Courts
✠ Yeates, Stephen, 2 Grafton-street
Young, Robert F., Fleet-street

BRITISH MUSEUM NATURAL HISTORY
Presented
21 MAR 1906.

21 MAR. 1906

THE FIFTY-FOURTH

ANNUAL REPORT

OF

The Royal Zoological Society

OF IRELAND,

FOR THE YEAR ENDED 31ST DECEMBER, 1885.

DUBLIN:

BROWNE AND NOLAN, PRINTERS, NASSAU-STREET.

1886.

OFFICERS AND COUNCIL, 26th JANUARY, 1886.

PATRONESS.

HER MAJESTY THE QUEEN.

EX-PRESIDENTS.

HIS GRACE THE DUKE OF LEINSTER.
VISCOUNT POWERSCOURT.
EARL SPENCER, K.G.
J. W. MURLAND.
SIR JOHN LENTAIGNE, C.B.

PRESIDENT.

HAUGHTON, REV. S.

VICE-PRESIDENTS.

TOWNSHEND, C. U.
HUTTON, T. M.
FINDLATER, W.
HOGG, J.
REEVES, R.

SECRETARY.

BALL, V.

TREASURER.

BARTON, H. M.

COUNCIL.

BALL, R. S.
CARTE, W.
CORLEY, A. H.
CUNNINGHAM, D. J.
GORDON, S. T.
HADDON, A.
LALOR, J. J.
LLOYD, J. R.
MACDONNELL, R.
MURPHY, W.
PEEBLES, W. E.
ROBERTS, S. U.
STOKES, W.
TRAILL, A.
WALLACE, C. J.

Laws and Regulations

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

Chapter I.—THE CONSTITUTION.

1. The Society consists of Ordinary Members and Honorary Members.

2. The Officers shall be chosen from amongst the Ordinary Members, and shall be—

A President,
Five Vice-Presidents,
A Secretary, and
A Treasurer,

who, together with fifteen other Ordinary Members of the Society, shall constitute the Council.

3. The Officers and Council for each year shall be elected at the Annual General Meeting of the Society.

4. But in case any Officer, or other Member of the Council shall die or resign, the Council may appoint a Member to supply his place until the next Annual Meeting.

Chapter II.—THE MEMBERS.

1. Every person wishing to become a Member of the Society must be proposed in writing to the Council, by one Member of Council, and seconded by another; and upon election and payment of his admission fee, such person shall be a Member of the Society.

2. But he shall not exercise the privileges of a Member until his first year's subscription is paid in advance.

3. The Admission Fee shall be *One Pound*, the Annual Subscription *One Pound*, and the Composition for life in lieu thereof, *Ten Pounds*.

4. The Annual Subscription shall be due on the first of January in each year, and shall be payable in advance.

5. If the Subscription of any Member is not paid within one year after it is due, he shall cease to be a Member until he shall have paid up his arrears.

6. No person becoming a Member after the first day of October in any year, shall be liable for the Subscription for that year.

7. No person shall exercise the privileges of a Member until he shall have paid his Subscription for the current year.

8. Ladies may be admitted as Members upon the same terms, and with the same privileges, as gentlemen.

9. Members of the Society, and such Members of their families as are *bonâ fide* resident with them, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and in the case of children of Members, the name of the person in charge of them being also signed.

Chapter III.—HONORARY MEMBERS.

1. Distinguished persons may be elected Honorary Members without annual or other payment, by a vote of the Society, at any of its Meetings, upon the previous recommendation of the Council.

2. Honorary Members shall have the same privileges as other Members, except that of voting at the Meeting.

3. The number of Honorary Members shall be limited to twenty.

Chapter IV.—THE OFFICERS.

The President.

1. The President shall preside at all Meetings of the Society and Council, when present, and shall generally superintend the affairs of the Society.

2. The same person shall not be President for more than five successive years.

3. Ex-Presidents shall continue to be Honorary Members of Council.

Vice-Presidents.

1. Of the five Vice-Presidents, two at least shall go out at each election, but this shall not prevent their continuing Members of Council in another capacity.

2. The Vice-Presidents shall supply the place of the President in his absence.

The Secretary.

It shall be the duty of the Secretary to see to the execution of the rules, orders, and directions of the Society and Council.

The Treasurer.

No money shall be paid by the Treasurer, except upon the written order of the Council, signed by at least three of its Members.

Chapter V.—THE COUNCIL.

1. Three Members shall form a Quorum.

2. The Council shall meet at such times as they themselves shall determine.

3. It shall be the duty of the Council to conduct the business of the Society, subject to the laws and regulations of the Society at large.

4. All questions shall be decided by the majority of voices; and where the numbers are equal, the Chairman shall have a casting voice; but he shall not vote except in such case.

5. The Council may summon a Meeting of the Society for scientific purposes whenever they think fit, stating the object of such Meeting; and at such Meeting no business but that stated in the notice shall be discussed.

6. At least three of the Council shall go out at each election.

7. No member of the Society having any contract with the Society or Council for which payment is to be made, shall be eligible to a seat in the Council in any capacity; and if the name of any member of the Society having a contract with the Society, or receiving any fee or emolument from the Society, shall be found in the Ballot, that name shall be set aside by the Chairman, notwithstanding any number of votes that may be appended to it; and if any Member or Officer of the Council enter into any contract with the Society, or receive from it any fee, payment, or emolument, his seat shall become *ipso facto* vacant in the Council, and the Council shall immediately summon a Meeting of the Society, to elect a member to the vacant place.

Chapter VI.—ANNUAL MEETING.

The Annual Meeting shall be held on the last Tuesday in January in each year, for the purpose of electing the Council and Officers for the ensuing year, and of hearing the Report of the Council read, and auditing the Accounts.

Election of Officers.

1. The Council for the time being shall annually cause to be prepared a list of persons whom they recommend to be Officers and Council for the ensuing year.

2. The list shall distinguish the three or more Members proposed to be removed, and the three or more proposed to be elected in their room, and it shall be transmitted to each Member residing in Dublin, by post, along with the notice of the time and place of the General Meeting, to be sent at least seven days before the day of Meeting.

3. The Chair shall be taken at four o'clock, when the Ballot shall commence and continue open for one hour, at the expiration of which time the Chairman shall proclaim that the time had arrived when the ballot shall close, and order the porter not to admit any other Members into the room, and then the Chairman shall call on the Members in the room who have not balloted to come forward and ballot, and the scrutiny shall forthwith take place; and those persons to whose names the greater number of marks shall have been affixed shall be declared duly elected in the order and places in which they stand, provided at least three new Members be elected, but if not, then these of the proposed Members who have the least number of marks shall be rejected, until at least three former Members are excluded, and their places shall be filled by those who have the next greatest number of marks.

4. If two or more names have the same number of marks, the order of preference shall be decided by lot.

General Business.

1. No motion respecting a change in the laws or constitution of the Society shall be discussed or voted upon at the Annual or other meeting, except as hereafter provided, unless notice thereof be given in writing to the Council, at least one month before such meeting; the Council to give seven days' notice to the Members, as before ordered.

2. But the Council may propose, and bring to the vote, any measure or question, at any of the Meetings of the Society, provided it shall have been under their consideration for at least one month, and that notice thereof be given to the Members in the circular notice of such Meeting, at least seven days previous to the day of Meeting.

Chapter VII.—THE GARDENS.

1. Any person enrolling his name in a book kept at the gate of the Gardens, and paying One Pound a-year, shall be a Subscriber, and shall have the same privileges of ingress to the Gardens, as a Member of the Society.

2. The Council shall have the power of suspending all rights of free entrance to the Gardens upon the day of a public fete, or similar occasion, when such shall be given for the benefit of the Society.

3. During frost, the Council shall have power to suspend all privileges of Members and Garden Subscribers, except that of personal admission.

4. The Council shall have power from time to time to vary, as may seem fit to them, the rates of admission to non-subscribers.

The Annual Meeting of the Society was held in the King and Queen's College of Physicians, on Tuesday, 20th January, at Four o'clock.

REPORT OF COUNCIL.

During the year 1885, the number of Visiters to the Gardens, and the receipts at the entrance gate, were as follows:—

ADMISSION TO ZOOLOGICAL GARDENS, 1885.

Members			...	8,786			
Public Institutions			...	3,414			
Visiters' Tickets			...	309			
	s.	*d.*			£	*s.*	*d.*
Visiters at	2	6	...	114	14	5	0
Do. ,,	1	0	...	9,101	455	1	0
Do. ,,	0	6	...	9,656	241	8	0
Do. ,,	0	3	...	3,401	42	10	3
Schools ,,	0	3	...				
Visiters ,,	0	2	...	53,193	443	17	9
Do. ,,	0	1	...	22,713	94	13	4
				110,687	£1,291	15	4

During the preceding year, the corresponding numbers were:—

Members			..	10,920			
Public Institutions			...	3,592			
Visiters' Tickets			...	267			
	s.	*d.*			£	*s.*	*d.*
Visiters at	2	6	...	653	81	12	6
Do. ,,	1	0	...	13,383	669	3	0
Do. ,,	0	6	...	12,296	307	8	0
Do. ,,	0	3	...	2,447	30	11	9
Schools ,,	0	3	...	1,652	20	13	0
Visiters ,,	0	2	...	52,801	440	0	2
Do. ,,	0	1	...	16,834	70	2	10
				114,845	*£1,619	11	3

* Includes £345 18*s.* 6*d.*, Dog Show Account.

The total number of Visiters and receipts at gate during the past ten years were as follows:—

Year.	Visiters.	Receipts.
1876	98,491	£1,353 8 7
1877	102,416	1,367 4 10
1878	110,173	1,494 3 4
1879	103,155	1,298 1 5
1880	112,727	1,353 19 9
1881	120,787	1,439 14 5
1882	125,598	1,611 18 10
1883	105,479	1,447 7 3
1884	114,845	1,619 11 3
1885	110,687	1,291 15 4

During the corresponding years the total receipts from Entrance Fees and Subscriptions were as follows:—

Year.	Entrance Fees and Subscriptions
1876	£449
1877	595
1878	580
1879	551
1880	531
1881	724
1882	723
1883	416
1884	466
1885	438

The receipts from Sunday admissions, during the past ten years, have been:—

1876	£521 8 7
1877	523 6 7
1878	535 10 4
1879	467 13 5
1880	539 3 3
1881	524 0 11
1882	573 19 7
1883	442 9 0
1884	510 3 0
1885	538 10 6

In 1884 the receipts at gate amounted to £1,619 11*s.* 3*d.* inclusive of £345 18*s.* 6*d.* on account of the Dog Show. The ordinary receipts amounted, therefore, to

£1,273 12*s.* 9*d.*, while, during the past year, they amounted to £1,291 15*s.* 4*d.*, or an increase of £18 2*s.* 7*d.* Under the heading Entrance Fees and Subscriptions, inclusive of sums carried to the special fund, there has been a fall from £466 to £438, or £28. The Government grant for the fourth quarter was not received within the year, but has since been paid. The Balance Sheet testifies to freedom from debt as the result of the strict care and economy which has been practised during the year.

Your Council would impress upon the Members of the Society generally the importance of obtaining an accession to the ranks of its supporters.

As on previous occasions, the Council acknowledge the advice with reference to improvements which has been freely offered to them by Visiters and Members. Independently many schemes have suggested themselves, and the sole circumstance which has deferred the putting into operation some of these varied projects, has been that the funds required for the purpose were not available. A renovation of the old monkey house, and its junction with the new one, will probably be the first costly work to be undertaken.

Although these Reports have often during the past thirty years been the medium of communicating favourable accounts as to the success which has attended the breeding of Lions, it is satisfactory to be able to state that the year 1885 has been one of unequalled success in this respect, as twelve Lion Cubs were born and successfully reared, and six of them were disposed of for £100 in cash, and £105 worth of other animals.

Much progress has been made in the compilation of a complete history of this particular Irish industry—the breeding of Lions; and it is expected that the results will be shortly published elsewhere, being too voluminous for introduction here. It will be of interest, however, to state that the total number of Cubs born since 1855

now stands at 124, of which about 80 were sold. And as the outlay upon the breeding stock scarcely exceeds the amount received on account of re-sales and the value of the present stock, it may be stated that, as against the cost of feeding and attendance, the gardens have had, from first to last, a splendid succession of Lions for exhibition, and that the receipts for Cubs sold amount to a total sum of upwards of £2,800.

So far as the records afford information, the cost of the food of the Lions was never lower than it is at present, being only £15 a year for an adult. In former periods it is stated to have been £28, £45, and even £66.

It is but justice to say that our success in the breeding of Lions has been largely due to the watchful care of Patrick Rice, who after upwards of 40 years' service as keeper, is now incapacitated by sickness, and has been allowed to continue in the receipt of full pay in recognition of the faithful discharge of his duties for so long a period.

An event, which had been looked forward to with much interest, namely, the birth of a young Bison, terminated fatally, both to mother and calf. If possible the Council hope to secure a mate for the Bison. The threatened extermination of this noble animal on its native prairies renders it especially desirable to preserve a pure strain of the species in captivity. Failing in this the Council may perhaps follow the example set by the Zoological Society of London, and so obtain cross breeds between the Bison and some of the other Bovines.

Two of the three Bactrian Camels, which were in the Gardens at the commencement of the year, have unfortunately died; but to a certain extent their places have been filled by a dromedary, which was received in part exchange for two young lion cubs. The arrival of the dromedary has rendered it possible to hope for a successful experiment in cross breeding with the Bactrian Camel. Such hybrids are not unknown, and are said to

During the year the pupils of numerous charity and other schools were admitted to the Gardens either free or at greatly reduced prices.

Addresses to His Royal Highness the Prince of Wales and to his Excellency the Lord Lieutenant were presented during the year—in April and July respectively—by your Council, on behalf of the Society. The presentation of the former was entrusted to a deputation which waited on His Royal Highness, and the latter was made to His Excellency in the Gardens, upon which occasion a public Promenade was held. The text of these addresses is given below.

By the permission of the President and Council of the Royal College of Surgeons, a Conversazione was given by the Members of the Society to their friends in the College Buildings during the month of April. About 670 tickets were sold, and owing to the varied nature of the programme which was provided, the entertainment proved most successful, and an unexpended balance from the sale of tickets, amounting to £11 15*s.*, was placed to the credit of the Society's Special Fund.

ADDRESS TO HIS ROYAL HIGHNESS THE PRINCE OF WALES BY THE COUNCIL OF THE ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

MAY IT PLEASE YOUR ROYAL HIGHNESS,

We, the Council of the Royal Zoological Society of Ireland, in tendering our sincere congratulations on your present visit to Ireland, beg leave to offer our respectful welcome.

We remember with gratitude the valuable favours bestowed upon our gardens by your Royal Highness and his Royal Highness the Duke of Edinburgh; and we are well aware of the sympathy of your Royal Highness with societies like ours, founded for the purpose of promoting the study of practical zoology by observation of wild animals, and lectures explaining their habits in a state of nature.

We, therefore, venture to express the hope that your Royal Highness will honour our gardens with a visit.

Signed,

S. HAUGHTON, Clk., M.D., F.R.S., *President.*
V. BALL, M.A., F.R.S., *Secretary.*
H. M. BARTON, *Treasurer.*

To His Excellency Henry Howard Molyneux, K.G., D.C.L., Earl of Carnarvon, Lord Lieutenant General and General Governor of Ireland.

May it please your Excellency,

We, the President, Vice-President, and Council of the Royal Zoological Society of Ireland desire to offer a warm and respectful welcome to your Excellency on your advent to Ireland as the representative in this country of Her Most Gracious Majesty, and we avail of this opportunity to express our hope that the material progress of this country, and the prosperity of its Institutions, may be increased during the term of your Excellency's administration.

The Royal Zoological Society of Ireland, of which Her Majesty is the Patron, has been in existence for more than fifty years, and we fully believe has during that period contributed much towards the study of natural history in its most popular form, while it has undoubtedly provided a continual source of healthful amusement and instruction to all classes of society in Dublin.

As a consequence of this visit of your Excellency to our gardens, we venture to hope that your Excellency will continue to us that patronage and sympathy which not only so many of your predecessors but also their Royal Highnesses the Prince of Wales and the Duke of Edinburgh have generously extended, and evidenced the former by becoming members of the society, and the latter by visiting the gardens on several occasions, and by contributing valuable animals to the collection.

It is with great pleasure we refer here to the fact that within a few days of your Excellencies' arrival, the gardens were honoured by a visit from Her Excellency the Countess of Carnarvon.

In conclusion, we would only add that we join heartily with many other public and private bodies in wishing that health and happiness may attend the residence of your Excellencies in this Country.

Signed on behalf of the Society,

Samuel Haughton, Clk., M.D., F.R.S., *President.*
John Lentaigne, C.B., D.L., *Ex-President.*
V. Ball, M.A., F.R.S., *Secretary.*
H. M. Barton, *Treasurer.*

ROYAL ZOOLOGICAL SOCIETY OF IRELAND—ACCOUNT FOR YEAR ENDING 31ST DECEMBER, 1885.

		£ s. d.	£ s. d.
Admissions to Gardens—			
Members	8,786		
Public Institutions	3,414		
By Members' Tickets	309		
Visitors at 2s. 6d.	114	14 5 0	
Do. at 1s.	9,101	455 1 0	
Do. at 6d.	9,656	241 8 0	
Do. at 3d.	3,401	42 10 3	
Do. at 2d.	53,193	443 17 9	
Do. at 1d.	22,713	94 13 4	
... ...			1,291 15 4
Books of Tickets sold			10 0 0
Government Grant—			
Three Quarters to 1st October, 1885*		...	375 0 0
Members' Subscriptions		...	298 0 0
Garden Subscribers		...	95 0 0
Donations		...	0 10 0
			2,070 5 4
Animals sold		105 15 6	
Incidental Receipts		20 5 7	
			126 1 1
			£2,196 6 5

* £125 received 6th January, 1886.

	£ s. d.
Balance due to Bank, as per last Statement of Account	78 3 6
Purchase of Animals	143 16 6
Provisions for Animals	726 10 11
Printing, Stationery, and Advertisements	97 5 5
Incidental Expenditure, including Coal, Coke, Gas, Clothing for Men, and Collector's Commission	246 9 6
Buildings and repairs	58 10 2
Bands	10 10 0
Water Rate and cost of Pipes	91 5 10
Salaries and Wages	697 13 0
Auditor's Fee	2 2 0
	2152 6 10
Balance in Bank	43 19 7
	£2,196 6 5

SPECIAL FUND.—IN NAMES OF PRESIDENT AND TREASURER.

1885.		£ s. d.
Jan. 7th	By Balance as per last Account	105 3 6
Feb. 19th	„ Received from Dog Show Committee	3 6 0
Feb. 19th	„ Members' Life Composition	10 0 0
Feb. 26th	„ Members' Life Composition	10 0 0
Mar. 12th	„ Commission on sale of Dog	0 10 0
„	Members' Entrance Fees	25 0 0
Apr. 30th	„ Proceeds of Conversazione	11 15 0
		£165 14 6

1885.		£ s. d.
Feb. 7th	Paid Dog Show Prize	2 0 0
„	Cheque Book	0 2 1
June 25th	„ on account of loss on Dog Show	100 0 0
Oct. 10th	„ on account of loss on Dog Show	37 8 4
Dec. 31st	„ Balance in Bank	26 4 1
		£165 14 6

Examined by me and found Correct. HENRY BROWN, *Public Auditor.*

APPENDIX.

RETURN OF ANIMALS ACQUIRED

BY THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND

DURING THE YEAR 1885.

DATE	ANIMALS	PRESENTED BY
Jan. 21—	1 Japanese Deer, *Cervus sika*, Hab. Japan	Viscount Powerscourt
Jan. 29—	3 Demoiselle Cranes, *Grus virgo*, Hab. N. Africa	W. Cross, Liverpool
Jan. 31—	1 Golden Pheasant, *Thaumalea picta*	H. M. Barton, Esq., 4 Foster-place
Feb. 22—	1 Racoon, *Procyon lotor*, Hab. Nth. America	G. M. Eccles, Esq., Moneygold, Co. Sligo
Mar. 19—	1 Badger, *Meles taxus*, Hab. British Islands	H. Waterhouse, Killiney
Mar. 20—	3 Muscovy Ducks, *Cairina moschata*, Hab. South America	A. Hamilton, Esq., Grosvenor-road, Rathmines
April 3—	2 Puffins, *Fratercula arctica*, Hab. British Islands	A. F. Boxer, Esq., Inspector of Irish Lights
May 21—	2 Young Leopards, *Felis pardus*, Hab. Africa	Dr. Digby, 47 Wellington-place
May 21—	2 Waxbills, *Estrelda cinerea*, Hab. West Africa	C. Hassard, Esq., 3 Kildare-place
May 25—	2 Rabbits, *Lepus cuniculus*, Hab. British Islands	J. Coyne, Esq., 17 Charleville-terrace
June 10—	1 Golden Eagle, *Aquila chrysætus*, Hab. Europe & N. America	G. A. M. Laine, Esq. Francis-st., Ballina
June 11—	2 Waxbills, *Estrelda cinerea*, Hab. West Africa	Wm. R. Joynt, Esq.
,, ,,—	2 Siskins, *Chrysomitris magellanica*, Hab. Brazil	Wm. R. Joynt, Esq.
,, ,,—	4 Spice Birds	Wm. R. Joynt, Esq.
June 16—	18 Guinea Pigs, *Cavia porcellus*	E. Warren, Esq., Lodge Park, Freshford, Co. Kilkenny
June 25—	1 Rhesus Monkey, *Macacus rhesus*, Hab. Continental India	Peter Good, Esq., 11 Wellington-road
July 7—	1 Gannet, *Sula bassana*, Hab. British Islands	J. Powell, Esq., William-street

DATE	ANIMALS	PRESENTED BY
July 17—	1 Peregrine Falcon, *Falco peregrinus*, Hab. Europe	H. M. Barton, Esq., 4 Foster-place
July 15—	1 Cuckoo, *Cuculus canorus*, Hab. British Islands	H. Burton, Esq., The Abbatoir, North Circular-road
Aug. 20—	1 Capybara, *Hydrochærus capybara*, Hab. S. America	Dr. Williams, Royal Mail Service, per Dr. Mapother
Aug. 25—	1 Rhesus Monkey, *Macacus rhesus*, Hab. Continental India	Capt. Leslie Martin, Oatlands, Castleknock
Sept. 4—	1 Bonnet Monkey, *Macacus sinicus*, Hab. Continental India	J. Hinkson, Esq., Trinity College
Sept. 21—	1 Bonnet Monkey, *Macacus sinicus*, Hab. Continental India	J. A. Nagle, Esq., Earl-street
Sept. 23—	2 Guinea Pigs, *Cavia porcellus*	Master Arthur Ball, 18 Lr. Fitzwilliam-st.
Sept. 23—	1 Common Goat, *Capra hircus*	Mrs. Chapman, 2 Rialto-terrace, Howth-road
Sept. 25—	1 Axis Deer, *Cervus axis*, Hab. India	Col. Dunn, 2nd Royal Irish Fusiliers
Oct. 6—	1 Thibet Mastiff, *Canis familiaris*	G. Rosse, Esq., R.I.C., Roscrea
Oct. 12—	1 Egyptian Goat, *Capra hircus*	T. J. Nagle, Esq., Earl-street
Oct. 21—	1 Sparrow Hawk, *Accipiter nisus*, Hab. British Islands	Thomas Hanna, Esq., Rehoboth Reformatory
Nov. 11—	4 Partridges, *Perdix cinerea*, Hab. British Islands	Anthony Benn, Esq., Pudleston-court, Leominster
Nov. 13—	1 Sparrow Hawk, *Accipiter nisus*, Hab. British Islands	Thomas Hanna, Esq., Rehoboth Reformatory
Nov. 20—	1 Egret Monkey, *Macacus cynomologus*, Hab. Java	H. Turner, Esq., 76 Amiens-street
Nov. 26—	1 Swan, *Cygnus olor*, Hab. Europe	Lady Gough, Booterstown
Nov. 20—	1 Sparrow Hawk, *Accipiter nisus*, Hab. British Islands	Thomas Hanna, Esq., Rehoboth Reformatory
Dec. 4—	2 Swans, *Cygnus olor*, Hab. Europe	Board of Works
Dec. 9—	1 Black Snake, *Coluber Sp.*	J. L. Carson, Esq., 38 East Bridge-st., Enniskillen
Dec. 9—	1 Sparrow Hawk, *Accipiter nisus*	Thomas Hanna, Esq., Rehoboth Reformatory
Dec. 31—	1 Egret Monkey, *Macacus cynomologus*, Hab. Java	Jas. Burke, Esq., M.D., 25 Morehampton-road

ANIMALS PURCHASED.

DATE	ANIMALS
Jan. 29—	1 Potto, *Perodicticus potto*, Hab. W. Africa
,, 29—	1 Genet, *Genetta Sp.*
,, 29—	2 Vitoe, *Nyctipithecus vociferans*, Hab. Brazil
,, 29—	9 Grey Squirrels, *Sciurus cinereus*, Hab. North America
Feb. 27—	1 Seal, *Phoca vitulina*, Hab. British Seas
,, 22—	3 Amherst's Pheasants, *Thaumalea amherstia*, Hab. Szechuen, China
,, 22—	2 Golden Pheasants, *Thaumalea picta*, Hab. China
,, 22—	4 Common Pheasants, *Phasianus colchicus*, Hab. British Islands
,, 22—	2 Wood Pigeons, *Columba palumbus*, Hab. British Islands
,, 22—	2 Rabbits, *Lepus cuniculus*, Hab. British Islands
May 12—	2 Yellow Baboons, *Cynocephalus babouin*, Hab. West Africa
,, 12—	1 Drill Baboon, *Cynocephalus leucophœus*, Hab, West Africa
,, 12—	1 Emu, *Dromœus novæ—hollandiæ*, Hab. Australia
,, 12—	1 Capybara, *Hydrochœrus capybara*, Hab. S. America
,, 12—	1 Dasyure, *Dasyurus maugœi*, Hab. Australia
,, 12—	2 Marmosets, *Hapale jacchus*, Hab. South-East Brazil
,, 21—	1 Tigress, *Felis tigris*, Hab. Eastern Asia
May 21—	1 Bonnet Monkey, *Macacus sinicus*, Hab. Continental India
May 21—	1 Egret Monkey, *Macacus cynomologus*, Hab. Java
—	2 Seals, *Phoca vitulina*, Hab. British Seas
—	1 Grass Snake, *Tropidonotus natrix*
—	1 Ourang-Outang, *Simia satyrus*. Hab. Sumatra and Borneo
—	1 Harrier, *Circus Sp.*
Sept. 3—	2 Capuchin Monkeys, *Cebus fatuellus*, Hab. Guiana
,, 10—	4 Doves
,, 10—	4 White-faced Tree Ducks, *Dendrocygna viduata*, Hab. Brazil
,, 22—	12 Rhesus Monkeys, *Macacus rhesus*, Hab. Continental India
Oct. 15—	1 Seal, *Phoca vitulina*, Hab. British Seas
,, 22—	2 Seals, *Phoca vitulina*, Hab. British Seas
Nov. 25—	1 Dromedary, *Camelus dromedarius*, Hab. Egypt
,, 25—	1 Chimpanzee, *Troglodytes niger*, Hab. West Africa
,, 25—	1 Spider Monkey, *Ateles subpentadactylus*, Hab. Peru
,, 25—	1 Grey Capporo, *Lagothrix humboldtii*
,, 25—	1 Bonelli's Eagle, *Nisaetus fasciatus*, Hab. Europe
Dec. 10—	1 Grey Ichneumon, *Herpestes griseus*

ANIMALS BORN IN THE GARDENS DURING THE YEAR 1885.

DATE	ANIMALS
Jan. 2—	4 Egyptian Dogs, *Canis familiaris*
Feb. 7—	1 Himalayan Bear, *Ursus tibetanus*, Hab. Northern India and China
April 2—	4 Lion Cubs, *Felis leo*, 3 males and 1 female
„ 20—	1 Bison, *Bison americanus*, Hab. North America
May 5—	4 Lion Cubs, *Felis leo*, 3 males and 1 female
Aug. 5—	1 Red Deer, *Cervus elaphus*, Hab. Europe
Nov. 5—	4 Lion Cubs, *Felis leo*, 2 males and 2 females
Mar. 26—	1 Llama, *Llama peruana*, Hab. Peru
July 26—	1 Llama, *Llama peruana*, Hab. Peru

ANIMALS ON DEPOSIT.

1884.		
April 10—	1 White Camel, *Camelus bactrianus*, Hab. Central Asia	From Messrs. Powel and Clarke, Belfast
June 12—	1 Great Sulphur-crested Cockatoo, *Cacatua galèrita*, Hab. Australia	From the Rev. S. J. Whitmee, Leinster-square, Rathmines
1885.		
—	4 Grass Snakes, *Tropidonotus natrix*	From S. Knox Twigg Esq., 5 Bachelor's-walk
Oct. 26—	1 Diana Monkey, *Cercopithecus diana*, Hab. West Africa	From Cox Smith, Esq. Summerhill, Cork
Dec. 26—	1 Bonnet Monkey, *Macacus sinicus* Hab. Continental India	From G. N. Ferguson, Esq., Howth

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Mitchell, George, 20 Lower Sackville-street
Mitchell, Robert, Marino House, Killiney
✠ Molloy, Very Rev. Dr., Rector Catholic University, St. Stephen's-green
✠ Monck, Right Hon. Viscount, Charleville, Bray
Montgomery, A. Vernon, 61 Harcourt-street
✠ Monteagle, Right Hon. Lord, Mount Trenchard, Foynes
✠ Moore, Robert H., F.R.C.S.I., 29 Upper Merrion-street
✠ Moore, Thomas J., Director, Museum, Liverpool
Moore, William F., Kenilworth-terrace, Rathgar
Moore, F. W., Botanic Gardens, Glasnevin
Moran, Edward, M.D., 12 Talbot-street
More, A. G., F.L.S., M.R.I.A., Science and Art Museum
✠ Morrogh, Leonard, Fitzwilliam-square
Moyers, George, LL.D., 8 Vesey-place, Monkstown
Mulroney, William, Hazlewood, Dundrum
Murland, James W., Nutley, Booterstown
Murphy, Michael, 17 Eden-quay
Murphy, William, Dartry, Rathmines
✠ Neilson, James, 32 Lower Leeson-street
✠ Nesbitt, Miss, Leixlip House, Leixlip
Neville, W. C., M.D., 11 Upper Pembroke-street
Nixon, C. J., M.D., 2 Merrion-square north
Nolan, William, 24 Nassau-street
Norman, Francis, 16 Granby-row
Nugent, John, M.D., 14 Rutland-square
✠ O'Brien, Edward William, Cahirmoyle, Newcastle west
✠ O'Brien, Miss Charlotte, Cahirmoyle, Ardagh, co. Limerick
✠ O'Ferrall, James, Gresham terrace, Kingstown
O'Hagan, Hon. Judge, Land Commission, 22 Up. Fitzwilliam-st.
O'Keeffe, Dixon C., Richmond House, Templemore
O'Reilly, Joseph R., D.L., Sans Souci, Booterstown
Olphert, John, D.L., 4 Upper Fitzwilliam-street
✠ Ormond, Most Hon. Marquess of, Kilkenny Castle
Ormsby, Lambert Hepenstall, M.D., 4 Merrion-square west
Overend, Thomas George, 47 Eccles-street
✠ Palgrave, Charles, 17 Eden-quay
Palmer, Sir Roger, Bart., Kenure Park, Rush

Panton, Arthur, F.T.C., Trinity College
Patterson, James, 20 Elgin-road
Pattison, Henry, Druid Lodge, Loughlinstown
Patton, A., M.D., Farnham House, Finglas
✠ Peebles, Robert W., 9 North Frederick-street
✠ Peebles, William E., 9 North Frederick-street
Percival, Charles M., 36 Northumberland-road
Perrin, Mark, Knockdromin, Rush
Pigot, D. R., Churchtown House, Dundrum
Pigot, Thomas, 4 Wellington-road
Pim, Frederic W., Heathville, Monkstown
✠ Pim, Jos. B., Esq., 35 Westland-row
Pim, Richard, Stradbrook Hall, Blackrock
Pim, George, Brenanstown, Cabinteely
Pim, James, jun., Killarney Wood, Bray
Pim, Joseph Todhunter, Greenbank, Monkstown
Pim, Thomas, William-street
Pim, Thomas, jun., William-street
Poole, Rev. Hewitt R., F.T.C.D., 15 Lower Fitzwilliam-street
✠ Porter, Sir George, M.D., 3 Merrion-square, north
✠ Power, James Talbot, Leopardstown House, Stillorgan
Power, Sir Alfred, K.C.B., 35 Raglan-road
✠ Powerscourt, Right Hon. Viscount, Powerscourt, Enniskerry
Quain, John, 49 Pembroke-road
✠ Rathborne, John G., Dunsinea, Phœnix Park
Rearden, Thomas D., Upper Fitzwilliam-street
Reeves, Robert S., 5 Fitzwilliam-place
Reeves, Richard S., 17 Merrion-square, east
Reeves, Robert, 3 Upper Ely-place
✠ Reynolds, J. Emerson, Trinity College
✠ Riall, Mrs. Arthur, Chantilly, Loughlinstown
Rigby, John, 24 Suffolk-street
Roberts, S. U., C.E., 6 Burlington-road
✠ Robertson, C. John, M.D., District Asylum, Monaghan
Robertson, William, Fitzwilliam-square
✠ Roe, Henry
✠ Rowley, Captain Thomas Taylor
Salmon, Rev. D., F.T.C.D., 81 Wellington-road
Sankey, Lieut.-General, R.E., Floraville, Donnybrook
Savage, Mrs., Nutley, Donnybrook
✠ Scriven, W. B., M.D., 33 St. Stephen's-green
Segrave, Hugh, Kiltimon House, Newtownmountkennedy
✠ Shackleton, Joseph F., Anna Liffey Mills, Lucan
✠ Shackleton, Abraham, J.P., Clondarragh, Foxrock
✠ Shaw, Sir Robert, Bart., Bushy Park, Terenure
✠ Shirley, Evelyn J., D.L., Carrickmacross
✠ Sligo, Most Hon. the Marquess of, Westport House, Westport
✠ Smith, Aquilla, M.D., 34 Lower Baggot-street
✠ Smith, Walter G., M.D., 34 Lower Baggot-street
✠ Smyth, Robert, 6 and 7 St. Stephen's-green
✠ Smyth, Edward Webber, 7 St. Stephen's-green
✠ Smyth, Robert William, 3 Seaview-terrace, Donnybrook
Smyly, P. Crampton, M.D., 4 Merrion-square, north
Smyth, George, 81 Pembroke-road

Speedy, Albert O., M.D., 28 North Frederick-street
✠ Spottiswoode, Lieutenant-Colonel A.
✠ Stanley, H. R., M.D., Malahide
✠ Staunton, C. F., M.D.
Stein, R. W., 49 Raglan-road
Stein, Mrs., 49 Raglan-road
✠ Stewart, Alexander J. B., D.L., J.P., Ards House, co. Donegal
✠ Stewart, Sir Robert P., 18 Trinity College
Stoker, E. A., M.B., 46 Rutland-square, west
✠ Stoker, William Thornley, M.D., 16 Harcourt-street
✠ Stokes, F., J.P., Commercial Buildings, Dame-street
✠ Stokes, William, M.D., 5 Merri n-square, north
✠ Stoney, Bindon, C.E., 42 Wellington-road
Story, J. B., M.B., 24 Lower Baggot-street
✠ Sugrue, Charles I. H., 4 Belvidere-place
✠ Sullivan, W. K., Queen's College, Cork
Swan, J. Percival, 58 Lower Dominick-street
Swanzy, H. R., M.D., Merrion-square, north
Taylor, Thomas H., 36 Wellington-road
✠ Tickell, George, J.P., 18 Mary-street
✠ Tighe, The Right Hon. W. F., Woodstock, Innistiogue
✠ Thompson, H. Yates, Ennismore Gardens, Prince's Gate, London
Thompson, Henry, 13 Fitzwilliam-place
✠ Toole, Charles, D'Olier-street
Torney, Thomas, M.D., 8 Blackhall-street
✠ Townshend, Charles Uniacke, 10 Burlington-road
✠ Trail, Anthony, LL D., F.T.C.D., Trinity College
Turner, Colonel, Military Secretary, Royal Hospital
Turbett, Robert E., 3 Bachelor's-walk
Twigg, S. Knox., 5 Bachelor's-walk
Tweedy, Henry, M.D., Gardiner's-row
Vance, Thomas, J.P., 9 Bridge-street
✠ Vandeleur, Colonel C. Moore, Kilrush House, Kilrush
Wallace, Charles J., Belfield, Booterstown
Waller, Alfred, Merrion Hall, Merrion
Thomson, William, M.D., 34 Harcourt-street
Waller, Edmund W., Brewery, James's-gate
Walpole, George, 8 Suffolk-street
Walpole, Edward, 8 Suffolk-street
Walsh, Rev. J. H., D.D., 10 Herbert-street
Wardell, J. D., 40 Leeson-street
✠ Warren, Robert, J.P., 40 Rutland-square
Waterhouse, Samuel, 25 Dame-street
✠ West, George Aug., Altadore, Blackrock
West, Langley A., Shanganagh Grove, Ballybrack
Westby, E. P., Roebuck Castle, Dundrum
White, Henry Bantry, Ballinguile, Donnybrook
✠ White, R. Blair, 40 Morehampton-road, Donnybrook
✠ White, William G., 56 Pembroke-road
✠ Whyte, William, George's-hill, Balbriggan
Whitestone, Berkeley E., 57 Northumberland-road
✠ Whitty, John Irwin, LL.D., 94 Lower Baggot-street

Wigham, Henry, 33 Capel-street
Wigham, J. R., Albany House, Monkstown
* Williams, J. E., R.A.
Williams, R. P., 38 Dame-street
Wilson, George Orr, Dunardagh, Blackrock
Wilson, Sir C. W., Ordnance Survey Office, Phœnix Park
* Wilson, W. H., 59 Pembroke-road
Wilson, W. Wesley, C.E., Eden Vale, Conyngham-road
Wilson, James, LL.B., 65 Fitzwilliam-square, north
Wilson, Thomas, 65 Fitzwilliam-square, north
Winstanley, James, Drummartin House, Dundrum
Woodlock, Joseph, St. Brendan's, Booterstown
Woodlock, William, 15 Mountjoy-square
* Wright, Joseph, Evendale, Conyngham-road
Wybrants, William Geale, Four Courts
* Yeates, Stephen, 2 Grafton-street

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

GARDEN SUBSCRIBERS.

Allen, Charles, North Frederick-street
Aspinall, J. A. J., St. John's, Island-bridge

Bagwell, John, 5 Mountjoy-square
Barlow, F. A., 14 North Great George's-street
Bayley, Kennett, Seven Oaks, Kilmainham
Beare, G. H., Phœnix Glen Lodge, Conyngham-road
Black, Gibson, Blackheath, Clontarf
Blyth, Mrs., The Slopes, Kingstown
Boyd, Hon. Judge, 66 Merrion-square, south
Brown, Walter, Oakley Park, Blackrock
Bruce, Wm. R., Master of the Queen's Bench, Woodbrook, Bray
Bruce, John W., Wilton House

Caraher, Edward, 62 Lower Gardiner-street
Carnegie, J. D., J.P., Bray
Carre, Rev. N. W., 10 Charleville-terrace, North Circular-road
Carton, Richard Paul, Q.C., 35 Rutland-square, west
Clifton, Ralph, Anchor Brewery, Usher-street
Connor, Rev. Richard J. M., F.T.C.D., 63 Lower Leeson-street
Corley, Henry H., 2 Prince Patrick-terrace
Courtney, Robert, 37 York-street

Dickinson, Rev. John A., Steevens' Hospital
Doyle, J. P., 72 Lower Mount-street
Dunphy, Thomas, Phibsborough

Edmondson, Mrs., Foxrock
Elvidge, George, 53 Drumcondra-road
Exham, John, The Barn, Carrickfergus

Finny, J. Magee, M.D., 19 Lower Baggot-street
Foster, Lady, 63 Fitzwilliam-square, north
Franks, Thomas C., 35 Northumberland-road
Fuller, Rev. A. S., 7 Fitzwilliam-place
Furlong, R. O'B., 30 Lower Leeson-street

Gamble, R. Wilson, Q.C., 51 Fitzwilliam-square

Hopkins, Nicholas, 80 Grafton-street
Hurford, T., 19 Montpelier-hill

Irwin, Samuel, 1 Hardwicke-street
Ivatt, H. A., Mount Vernon, Inchicore

Jameson, Andrew, Knockmaroon House, Castleknock
Jones, Percival, 11 Eblana-terrace, North Circular-road
Jones, Alfred G., 43 Stephen's-green, east

Keys, George, 61 Eccles-street
Knox, Mrs. L. E., 53 Fitzwilliam-square

Lawlor, William, 50 Abbey-street
Lemass, John, 4 Besborough-terrace
Little, Mrs., 14 St. Stephen's-green
Long, Francis P., 29 Upper Baggot-street

Matthews, George E., 49 Upper Sackville-street
Martelli, Charles, 32 Leeson-park
Meath, Right Hon. Earl of, Kilruddery, Bray
Merry, James, St. Michael's, Booterstown
Millea, Edward, 25 Parkgate-street
Monahan, James H., D.D., 44 Rutland-square, west
Moore, A., Ashton, Phœnix Park
Morris, Right Hon. Chief Justice, 2 Fitzwilliam-place
Malone, Alfred, 14 Appian Way

Nash, John, 65 Mountjoy-square
Newland, G. E., Commandant, Royal Irish Constabulary
Nugent, Michael, 36 Essex-street

O'Brien, J. W., Wilton House, Wilton-place
O'Neill, Mrs., 5 Wodehouse-terrace, North Circular-road
Orpin, John, 47 Stephen's-green, east

Perrin, Richard, 50 Lower Sackville-street
Perry, George, 11 Grafton-street
Plunkett, J. R., 16 Vesey-place
Porter, Right Hon. A. M., Master of the Rolls, 12 Merrion-square
Purcell, Thomas, 71 Harcourt-street

Ross, George M., 1 Elgin-road
Ross, William P., 24 Synnott-place
Ross, William, 66 North-wall

Scott, William, 2 Lower Sackville-street
Seavers, John P., Salem Lodge, Drumcondra
Seeds, Robert, Q.C., 11 Fitzwilliam-square, east
Shew, B., 97 Marlborough-road, Donnybrook
Smith, Mrs., 3 Cabra-terrace
Spence, Wm., 109 Cork-street
Spring, James, 65 Eccles-street
Stanley, W. B., 23 Lower Fitzwilliam-street

Staveley, John H., 6 Hardwicke-place
Stewart, Mrs. Anne, Beechwood, Dalkey
Stewart, James R., 6 Leinster-street
Stopford, H. N., A.D.C., Royal Hospital, Kilmainham
Stuart, Thomas, 3 Burgh-quay
Symms, William, 31 Dame-street

Tichborne. C. R. C., 15 North Great George's-street
Todd, M. J., Woodhurst, Rathgar

Walpole, Thomas, 56 North-wall
Warren, Right Hon. Judge, 12 Fitzwilliam-square, east
Waterhouse, H. A., Claremont, Killiney
Waters, Michael J., 6 Lower Dominick-street
Webb, John, 20 Temple-lane
Weir, James, Blackrock
Wharton, Dr. 28 Upper Merrion-street

BRITISH MUSEUM NATURAL
Presented
21 MAR. 1906

QUEEN'S CUBS, BORN APRIL, 1885.

21 MAR. 1906

THE FIFTY-FIFTH

ANNUAL REPORT

OF

The Royal Zoological Society

OF IRELAND,

FOR THE YEAR ENDED 31ST DECEMBER,

1886.

DUBLIN:
BROWNE AND NOLAN, PRINTERS, NASSAU-STREET.
1887.

OFFICERS AND COUNCIL, 26th JANUARY, 1887.

PATRONESS.

HER MAJESTY THE QUEEN.

EX-PRESIDENTS.

HIS GRACE THE DUKE OF LEINSTER.
VISCOUNT POWERSCOURT, K.P.
EARL SPENCER, K.G.
J. W. MURLAND.

PRESIDENT.

HAUGHTON, REV. S.

VICE-PRESIDENTS.

FINDLATER, W.
HOGG, J.
REEVES, R.
CARTE, W.
CUNNINGHAM, D. J.

SECRETARY.

BALL, V.

TREASURER.

BARTON, H. M.

COUNCIL.

BALL, R. S.
GORDON, S. T.
HADDON, A. C.
HUTTON, T. M.
LALOR, J. J.
LLOYD, J. R.
MACAN, A. V.
MACDONNELL, R.
MAPOTHER, E. D.
NEDLEY, F.
PEEBLES, W. E.
ROBERTS, S. U.
TOWNSHEND, C. U.
TRAILL, A.
WALLACE, C. J.

Laws and Regulations

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

Chapter I.—THE CONSTITUTION.

1. The Society consists of Ordinary Members and Honorary Members.

2. The Officers shall be chosen from amongst the Ordinary Members, and shall be—

A President,
Five Vice-Presidents,
A Secretary, and
A Treasurer,

who, together with fifteen other Ordinary Members of the Society, shall constitute the Council.

3. The Officers and Council for each year shall be elected at the Annual General Meeting of the Society.

4. But in case any Officer, or other Member of the Council shall die or resign, the Council may appoint a Member to supply his place until the next Annual Meeting.

Chapter II.—THE MEMBERS.

1. Every person wishing to become a Member of the Society must be proposed in writing to the Council, by one Member of Council; and seconded by another; and upon election and payment of his admission fee, such person shall be a Member of the Society.

2. But he shall not exercise the privileges of a Member until his first year's subscription is paid in advance.

3. The Admission Fee shall be *One Pound*, the Annual Subscription *One Pound*, and the Composition for life in lieu thereof, *Ten Pounds*.

4. The Annual Subscription shall be due on the first of January in each year, and shall be payable in advance.

5. If the Subscription of any Member is not paid within one year after it is due, he shall cease to be a Member until he shall have paid up his arrears.

6. No person becoming a Member after the first day of October in any year, shall be liable for the Subscription for that year.

7. No person shall exercise the privileges of a Member until he shall have paid his Subscription for the current year.

8. Ladies may be admitted as Members upon the same terms, and with the same privileges, as gentlemen.

9. Members of the Society, and such Members of their families as are *bonâ fide* resident with them, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and in the case of children of Members, the name of the person in charge of them being also signed.

Chapter III.—HONORARY MEMBERS.

1. Distinguished persons may be elected Honorary Members without annual or other payment, by a vote of the Society, at any of its Meetings, upon the previous recommendation of the Council.

2. Honorary Members shall have the same privileges as other Members, except that of voting at the Meeting.

3. The number of Honorary Members shall be limited to twenty.

Chapter IV.—THE OFFICERS.

The President.

1. The President shall preside at all Meetings of the Society and Council, when present, and shall generally superintend the affairs of the Society.

2. The same person shall not be President for more than five successive years.

3. Ex-Presidents shall continue to be Honorary Members of Council.

Vice-Presidents.

1. Of the five Vice-Presidents, two at least shall go out at each election, but this shall not prevent their continuing Members of Council in another capacity.

2. The Vice-Presidents shall supply the place of the President in his absence.

The Secretary.

It shall be the duty of the Secretary to see to the execution of the rules, orders, and directions of the Society and Council.

The Treasurer.

No money shall be paid by the Treasurer, except upon the written order of the Council, signed by at least three of its Members.

Chapter V.—THE COUNCIL.

1. Three Members shall form a Quorum.

2. The Council shall meet at such times as they themselves shall determine.

3. It shall be the duty of the Council to conduct the business of the Society, subject to the laws and regulations of the Society at large.

4. All questions shall be decided by the majority of voices; and where the numbers are equal, the Chairman shall have a casting voice; but he shall not vote except in such case.

5. The Council may summon a Meeting of the Society for scientific purposes whenever they think fit, stating the object of such Meeting; and at such Meeting no business but that stated in the notice shall be discussed.

6. At least three of the Council shall go out at each election.

7. No member of the Society having any contract with the Society or Council for which payment is to be made, shall be eligible to a seat in the Council in any capacity; and if the name of any member of the Society having a contract with the Society, or receiving any fee or emolument from the Society, shall be found in the Ballot that name shall be set aside by the Chairman, notwithstanding any number of votes that may be appended to it; and if any Member or Officer of the Council enter into any contract with the Society, or receive from it any fee, payment, or emolument, his seat shall become *ipso facto* vacant in the Council, and the Council shall immediately summon a Meeting of the Society, to elect a member to the vacant place.

Chapter VI.—ANNUAL MEETING.

The Annual Meeting shall be held on the last Tuesday in January in each year, for the purpose of electing the Council and Officers for the ensuing year, and of hearing the Report of the Council read, and auditing the Accounts.

Election of Officers.

1. The Council for the time being shall annually cause to be prepared a list of persons whom they recommend to be Officers and Council for the ensuing year.

2. The list shall distinguish the three or more Members proposed to be removed, and the three or more proposed to be elected in their room, and it shall be transmitted to each Member residing in Dublin, by post, along with the notice of the time and place of the General Meeting, to be sent at least seven days before the day of Meeting.

3. The Chair shall be taken at four o'clock, when the Ballot shall commence and continue open for one hour, at the expiration of which time the Chairman shall proclaim that the time had arrived when the ballot shall close, and order the porter not to admit any other Members into the room, and then the Chairman shall call on the Members in the room who have not balloted to come forward and ballot, and the scrutiny shall forthwith take place; and those persons to whose names the greater number of marks shall have been affixed shall be declared duly elected in the order and places in which they stand, provided at least three new Members be elected, but if not, then these of the proposed Members who have the least number of marks shall be rejected, until at least three former Members are excluded, and their places shall be filled by those who have the next greatest number of marks.

4. If two or more names have the same number of marks, the order of preference shall be decided by lot.

General Business.

1. No motion respecting a change in the laws or constitution of the Society shall be discussed or voted upon at the Annual or other meeting, except as hereafter provided, unless notice thereof be given in writing to the Council, at least one month before such meeting; the Council to give seven days' notice to the Members, as before ordered.

2. But the Council may propose, and bring to the vote, any measure or question, at any of the Meetings of the Society, provided it shall have been under their consideration for at least one month, and that notice thereof be given to the Members in the circular notice of such Meeting, at least seven days previous to the day of Meeting.

Chapter VII.—THE GARDENS.

1. Any person enrolling his name in a book kept at the gate of the Gardens, and paying One Pound a-year, shall be a Subscriber, and shall have the same privileges of ingress to the Gardens, as a Member of the Society.

2. The Council shall have the power of suspending all rights of free entrance to the Gardens upon the day of a public fete, or similar occasion, when such shall be given for the benefit of the Society.

3. During frost, the Council shall have power to suspend all privileges of Members and Garden Subscribers, except that of personal admission.

4. The Council shall have power from time to time to vary, as may seem fit to them, the rates of admission to non-subscribers.

The Annual Meeting of the Members of the Society for the election of Officers and Council, and other business, was held in the King and Queen's College of Physicians, on Tuesday, the 25th January, at Four o'clock, P.M.

REPORT OF COUNCIL.

During the year 1886, the number of Visitors to the Gardens, and the receipts at the entrance gate, were as follows:—

			Admissions in 1885.					Admissions in 1886.				
Members			8,786					7,006				
Public Institutions			3,414					2,053				
Visitors' Tickets			309					252				
	s.	d.		£	s.	d.			£	s.	d.	
Visitors at	2	6	114	14	5	0		30 @ 5s.	7	10	0	
Do.	,, 1	0	9,101	455	1	0		7,747	387	7	0	
Do.	,, 0	6	9,656	241	8	0		8,878	221	19	0	
Do.	,, 0	3	3,401	42	10	3		3,067	38	6	9	
Schools	,, 0	3										
Visitors	,, 0	2	53,193	443	17	9		50,829	423	11	6	
Do.	,, 0	1	22,713	94	13	4		12,947	53	18	11	
			110,687	£1,291	15	4		92,809	£1,132	13	2	

The total number of Visitors and receipts at gate during the past ten years have been, as follows:—

Year.	Visitors.	Receipts.
1877	102,416	£1,367 4 10
1878	110,173	1,494 3 4
1879	103,155	1,298 1 5
1880	112,727	1,353 19 9
1881	120,787	1,439 14 5
1882	125,598	1,611 18 10
1883	105,479	1,447 7 3
1884	114,845	1,619 11 3
1885	110,687	1,291 15 4
1886	92,809	1,132 13 2

During the corresponding years the total receipts from Entrance Fees and Subscriptions, were:—

Year.				Entrance Fees and Subscriptions
1877	...	..	...	£595
1878	...	...	...	580
1879	...	..	...	551
1880	...	...	...	531
1881	..	...	...	724
1882	...	...	...	723
1883	...	..	...	416
1884	...	..	...	466
1885	...	...	...	438
1886	Life Members (6)	£60 0 0		
	Admission Fees (10)	10 0 0		
	Members' Subscriptions	299 2 0		
	Garden Subscribers	91 0 0		
				460

The receipts from Sunday admissions, during the past ten years, have been:—

1877	...	...	...	£523	6	7
1878	...	...	...	535	10	4
1879	...	...	...	467	13	5
1880	...	...	...	539	3	3
1881	..	...	...	524	0	11
1882	...	..	...	573	19	7
1883	...	...	...	442	9	0
1884	...	...	...	510	3	0
1885	...	...	...	538	10	6
1886	..	...	..	477	10	5

From the above tables it will be seen that there has been a serious falling off, to the amount of nearly £160, in the receipts from admissions, as compared with last year, while the receipts from entrance fees and subscriptions show an increase, but only of £22.

Under these circumstances, it is a matter for congratulation that the Society has been enabled to accomplish so much as it has in the way of expenditure on repairs, and the purchase of animals. Still the fact should not be lost sight of, that the balance is against the Society at the

close of the year, and it is, therefore, our desire to employ every effort to induce, if possible, a more liberal support by the public during the coming year.

As in previous years, free admissions were granted to several thousands of children belonging to Charity Schools; and admissions at reduced rates were also granted to pupils of other schools, with special reference to the circumstances of the cases respectively.

The following six new Life Members were elected during the year:—The Earl of Aberdeen, the Marquis of Londonderry, Dr. A. H. Benson, the Very Rev. William Delany, S.J., H. V. Jackson, Esq., and George Scriven, Esq., M.D.

New Works and Repairs.—About the middle of March, a letter was addressed to the Mansion House Committee "for giving relief to the unemployed," drawing attention to the desirability of a grant being made to the Council to enable it to make a walk round the lake, a work of great importance, which has had to be postponed from want of funds for many years.

In consequence of this application a sum of £150 was placed at the disposal of the Society. The acquiescence in the proposed new works and a promise of aid from the Commissioners of the Board of Works were at once obtained, and work was commenced under the supervision of the Board within a few days. A Committee, consisting of Mr. Peebles, Dr. Gordon, and the Secretary, had charge of the operations on the part of the Council, and in consequence of subsequent applications two additional votes, of £50 each, were made by the Mansion House Committee, raising the total sum to £250. In order to complete the work, thus commenced, it became necessary for the Society to expend a further sum of about £50—making in all £300, which, considering the vast improvement to the grounds, it will be admitted, was very well spent money. As regards the employment given, every

effort was made to secure that the men engaged were deserving of it, and an honest and fair day's labour was secured by careful supervision, and it may be added, by the interest which many of the men showed in the work. At times upwards of forty hands were employed, and the work they accomplished was of a solid character, such as will require only an ordinary amount of care for its maintenance for many years.

Later in the year, after various estimates had been submitted, a contract was signed for the long-needed repairs to the Monkey house. The carrying out of this contract and various subsequent necessary items have involved also an expenditure of about £300. This, in part, accounts for the somewhat straitened exchequer at present, while the results of the Dog Show and the failure of the ice, account for our receipts not having been larger from these occasional sources of income.

It is but right, when referring to these several works in connection with the grounds and houses, that special reference should be made to the great amount of time and care devoted to their supervision by Mr. Commissioner Roberts and other Members of the Council who have aided him.

Aquarium.—The Committee, consisting of Professor Haddon and Dr. Gordon, report that the lighting of the Aquarium has been much improved, the number of salt water tanks increased, and a rockery made and planted round the large cement tank, which has been stocked with fish.

Dog Show.—The following report by the Dog Show Committee has been formally adopted by the Council, and it has been resolved that for the present the Society shall not undertake to hold any Dog Shows, as it is felt that however justifiable it might be to earn an income from this source there can be no justification for incurring an annual loss. The statement shews that the profits of the two first years have been swallowed up by the losses of the two last.

The Dog Show Committee reports that—"The Show was held from the 22nd to 25th of June inclusive, under the Kennel Club Rules, and, in point of quality and number of exhibits, it was perhaps the most successful yet held by the Society. The public, however, do not, in the opinion of the Committee, seem to appreciate the Exhibition of high class dogs, sufficiently to justify the Society in continuing these shows."

The loss incurred during the past two years exceeds the amount of profit realized on the first two shows held by the Society. This loss is mainly owing to the decreased attendance of the public, notwithstanding the increased prize list and the improved quality of the dogs exhibited.

	Gain.	
1883	£153 14 7	
1884	60 19 4	
		£214 13 11

	Loss.	
1885	£136 6 1	
1886	78 10 7	
		£214 16 8

As on previous occasions, the members of the Dog Show Committee, whose names are given below, deserve the thanks of the Society for the sacrifice of their time in their efforts to make the Show a success.

Breeding of Lions.—The completion and publication of the history* of lion-breeding in these gardens, since the date of last year's report, renders it possible to give the following corrected abstract of the results to date:—

Total of Cubs born to end of 1885 ...	131	
Cubs born during 1886	6	
		137

*See Transactions of the Royal Irish Academy, Vol. XXVIII. Science, August, 1886.

Details of Disposal.

Died at birth, or while rearing ...	21		
Died after rearing	12		
Sold before end of 1885	85		
Kept for Breeding	4		
No Record	3		
		125	
1886.			
Died after rearing	1		
Sold	4		
Kept for Breeding	1		
		6	
		131	
Born during 1886: 2 on 24th October, 4 on 6th Nov. All now in stock		6	
			137

The Stock on hand at present consists of

Lion "Paddy," born 9th October, 1879	1	
Lioness "Minnie," bought 2nd Feb., 1883	1	
,, "Queen," ,, ,, ,, ,,	1	
Young Lion (Queen's) born 5th Nov., 1885	1	
Two Cubs (Minnie's) born 24th Oct., 1886	2	
Four Cubs (Queen's) ,, 6th Nov., 1886	4	
		10

The total receipts from sale of Cubs, have been, as follows:—85 sold to close of 1885 for £3,117 10*s.*, 4 sold during 1886, for £90, and £40 worth of animals, in all £130. Total of sales, 89 cubs for £3,247 10*s.* or at the rate of about £36 each.

In consequence of the permission granted by the proprietors of the "*Graphic*" and the Council of the Royal Irish Academy, we are enabled to give in this report a plate representing "Queen's" cubs, born April, 1885. This faithful rendering by Mr. G. H. Thomas of the peculiar markings of young lions, will no doubt prove of interest to members.

Among the more important animals purchased during the year, the following may be mentioned: A Black

Leopard, a Puma, a young Polar Bear, and three Reindeer. These are all doing well, and are in excellent health at the present moment.

Those who have recently seen the Ourang Outang need no information as to his state of health. Since he came to the gardens, eighteen months ago, his increase in size has been most remarkable. Bearing in mind how difficult it is generally found to be to keep these animals for any long period in good condition, our success is a matter for considerable satisfaction.

Addresses—During the year two addresses were respectively delivered by the Council on behalf of the Society, to their Excellencies the Earl of Aberdeen and the Marquis of Londonderry, both of whom are now enrolled as Life Members of the Society.

The address to Lord Aberdeen, which was read on the occasion of a public promenade on the 12th of April, was as follows:—

MAY IT PLEASE YOUR EXCELLENCY,

We, the President, Vice-Presidents, and Council of the Royal Zoological Society of Ireland, beg to offer on behalf of this Society our sincere congratulations to your Excellency on your assumption of office as the representative in this country of her Most Gracious Majesty the Queen. It is our desire to thankfully acknowledge the tangible recognition of our Society's claims for support which has been shown by your Excellency's ready acceptance of our invitation to extend to it your patronage by becoming one of its Members. Our position as an Institution, designed fifty-five years ago and ever since administered for the instruction and recreation of the public, has always seemed to justify our asking for some practical recognition from your Excellency's predecessors, and to them and to several members of the Royal Family we are indebted for assistance which has enabled us to afford to the public much greater advantages than would otherwise have been possible. The well-established reputation of the Countess of Aberdeen for a willingness to afford sympathetic recognition to every effort designed to elevate and instruct the masses, leads us to believe that this Society will be among those in Dublin which will be acknowledged by her Excellency as having pursued a useful career. Such attractions as our

gardens possess will, we anticipate, be apparent during the visits which we hope will not be unfrequent while your Excellencies reside in their immediate vicinity.

SAMUEL HAUGHTON, Clk., M.D., F.R.S., *President.*
V. BALL, M.A., F.R.S., *Secretary.*
H. M. BARTON, *Treasurer.*

The address to Lord Londonderry was read in the Gardens on the 2nd November, when, owing to the extreme inclemency of the day, there was but a small attendance of Members. It was as follows:—

MAY IT PLEASE YOUR EXCELLENCY,

We, the President, Vice-Presidents, and Council of the Royal Zoological Society of Ireland, beg to offer, on behalf of the Society, a sincere welcome to your Excellency on the occasion of your arrival in this country as the representative of her Majesty the Queen. The object of this Society is at present, as it always has been, to provide instruction and amusement for the people of Dublin, and to give them an opportunity of cultivating a knowledge of, and a love for, natural history. During the year, large numbers of children have been admitted to the Gardens either free or at reduced rates, according to the nature of the Institutions respectively to which they belonged. Your Excellency's predecessors in the high office which you now occupy, have always evinced an interest in these Gardens, and to several of them, as well as to members of the Royal Family, we are indebted for donations which have served to increase the attractions afforded by our collection of animals. Owing to an expenditure during the current year of a sum of money entrusted to us by the Committee for affording relief to the unemployed, we have been enabled to improve the Gardens themselves in an important degree, while by means of our ordinary resources we have re-built and re-arranged one of the largest houses in the Gardens, and have acquired by purchase many valuable and interesting animals. Late as it now is in the season we feel assured that your Excellency will be willing to admit, after an inspection of the Gardens, that our Society is in a prosperous and satisfactory condition, and that it has proved itself well worthy of the grant in aid which it receives from the Government.

SAMUEL HAUGHTON, Clk., M.D., *President.*
V. BALL, M.A., F.R.S., *Secretary.*
H. M. BARTON, *Treasurer.*

Colonial Visitors.—A special band promenade was held on the 17th August, when the Gardens were visited by the members of the Colonial and Indian Exhibition Deputation. The day proved fine and the reception passed off with satisfaction to all.

Death of Sir John Lentaigne.—In November last there passed away one who had been for many years an active Member of Council, and who was one of the oldest Members of the Society. At its meeting, held on the 13th November, your Council passed the following resolution, and arranged that the Society should be represented at the funeral of Sir John Lentaigne, C.B., late president of the Society. *Resolved*—"That the President, Vice-Presidents, and Council of the Royal Zoological Society of Ireland, hereby tender to Lady Lentaigne and her family, their sincere condolence in the loss they have sustained by the death of the Right Hon. Sir John Lentaigne, C.B., the senior Member of Council, and formerly President of the Society, and they beg to assure them that their grief is shared by all the Members of the Society."

Death of Dr. Isaac Lea, of Philadelphia.—From the ranks of our Honorary Members there has passed away one who had attained the position of the Father of American Natural Science—he was an active contributor to many Scientific Societies in America, and was connected with the foundation of some of the oldest of them. He died on the 8th December, at the age of 95.

Committees of the Council.—The following Committees were appointed by the Council to take executive charge of various special works, &c., requiring supervision :—

16*th January.—Reptile House, Repairs.*
Mr. PEEBLES and the SECRETARY.

30*th January.—Garden Committee.*
Sir R. S. BALL, Dr. W. CARTE, Dr. GORDON, Mr. C. J. WALLACE (added 3rd April).

6*th February.—Aquarium Committee.*
Prof. HADDON and Dr. GORDON.

13*th February.—Dog Show Committee.*
The HONORARY OFFICERS *ex officio*, Mr. J. HOGG, Mr. J. R. LLOYD, Mr. W. E. PEEBLES, Dr. GORDON, Mr. C. J. WALLACE, Mr. S. K. TWIGG and Mr. W. Y. DONNELLY.

20*th March.—To administer the Grant from the Mansion House Fund for relief of the unemployed.*
Mr. W. E. PEEBLES, Dr. GORDON and the SECRETARY.

10*th April.—To re-arrange and name the Birds.*
Mr. WALLACE and the SECRETARY.

10*th April.—To arrange with Contractors and supervise repairs to Monkey House.*
Mr. S. U. ROBERTS and the SECRETARY.

30*th July.—To make arrangements for Band and reception of Colonial Visitors.*
Mr. J. R. LLOYD.

18*th December.—Ice Committee.*
HONORARY OFFICERS, *ex officio*, Mr. W. E. PEEBLES, Dr. W. CARTE, and Dr. GORDON.

ROYAL ZOOLOGICAL SOCIETY OF IRELAND—ACCOUNT FOR YEAR ENDING 31ST DECEMBER, 1886.

RECEIPTS.

		£ s. d.	£ s. d.
Balance in Bank as per last Statement of Account ...		...	43 19 7
Admissions to Gardens—			
Members	7,006		
Public Institutions	2,053		
By Members' Tickets	252		
Visitors at 5s.	30	7 10 0	
Do. at 1s.	7,747	387 7 0	
Do. at 6d.	8,878	221 19 0	
Do. at 3d.	3,067	38 6 9	
Do. at 2d.	50,829	423 11 6	
Do. at 1d.	12,947	53 18 11	
Total	92,809		1,132 13 2
Books of Tickets sold	...		1 10 0
Government Grant—			
One Year to 1st October, 1886 ...	...	...	500 0 0
Members' Subscriptions	...	...	299 2 0
Garden Subscribers	...	..	91 0 0
			2,068 4 9
Animals sold	...	95 0 0	
Incidental Receipts	...	18 19 1	
			113 19 1
Balance due to Bank	...	.	33 7 8
			£2,215 11 6

EXPENDITURE.

	£ s. d.
Purchase of Animals	191 2 5
Provisions for Animals	642 15 11
Advertisements	39 0 0
Incidental Expenditure, including Coal, Coke, Gas, Clothing for Men, and Collector's Commission	275 2 3
Buildings and repairs	270 16 11
Bands	15 10 0
Water Rate and balance of cost of Pipes	87 11 0
Salaries and Wages	691 11 0
Auditor's Fee	2 2 0
	£2,215 11 6

SPECIAL FUND.—IN NAMES OF PRESIDENT AND TREASURER.

	£ s. d.
By Balance as per last Account	26 4 1
Members' Life Compositions (6)	60 0 0
New Members' Admission Fees	10 0 0
Dog Show, 1885, Committee	1 2 3
	£97 6 4

	£ s. d.
Paid Loss on Dog Show, 1886	80 0 0
Balance	17 6 4
	£97 6 4

SAMUEL HAUGHTON, Clk., M.D., *President.*
H. M. BARTON, *Hon. Treasurer.*

I have examined these Accounts; compared them with Vouchers produced, and find same correct.

H. GUINNESS, College-green.

APPENDIX.

RETURN OF ANIMALS ACQUIRED

BY THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND

DURING THE YEAR 1886.

PRESENTATIONS.

DATE	ANIMALS	PRESENTED BY
Jan. 14—	2 Japanese Guinea Pigs	Master Dunbar Wilson, Dunardagh, Blackrock
Jan. 29—	1 Bonnet Monkey, *Macacus sinicus*, Hab. Continental India	J. H. Mack, Esq., 25 North Frederick-street
Jan. 21—	1 Duck	J. Laffan, Esq., Cashel
Feb. 5—	1 Pheasant, *Gallophasis melanotus*,	Alfred Courtney, Esq., 71 Middle Abbey-street
Mar. 18—	1 Bonnet Monkey, *Macacus sinicus*, Hab. Continental India	Sir Richard Power, Bart., Thomastown
Mar. 25—	1 Peregrine Falcon, *Falco peregrinus*, Hab. Europe	Rev. W. Young, The Manse, Milford
May 13—	2 Common Rabbits, *Lepus cuniculus*, Hab. British Islands	Dr. Bennett, 26 Lower Fitzwilliam-street
May 21—	1 Peacock, *Pavo cristatus*, Hab. India	Mrs. Winstanley, Drummartin House, Dundrum
May 21—	1 Crowned Hawk Eagle, *Spizætus coronatus*, Hab. Senegal	Rev. C. Leo Garde, 3 Gresham-terrace, Queenstown
June 3—	4 Alligators, *Alligator mississippiensis* Hab. Mississippi	Major G. Hely, Foulk's court, Co. Kilkenny
June 17—	1 Sooty Monkey, *Cercebus fuliginosus*, Hab. West Africa	G. S. G. Tyner, Esq., Asylum, Downpatrick
June 17—	1 Rhesus Monkey, *Macacus rhesus*, Hab. Continental India	R. Whiteside, Esq., Downpatrick
July 1—	1 Lesser White Nosed Monkey, *Cercopithecus petaurista* Hab. West Africa	Alderman Campbell, 64 Pembroke-road
July 8—	2 Choughs, *Pyrrhocorax graculus*, Hab. British Islands	Charles J. Wallace, Esq., Belfield, Booterstown
July 15—	1 Hobby, *Falco subbuteo*, Hab. British Islands	J. F. Cockson, Esq., 9 Guildhall-street, Preston

DATE	ANIMALS	PRESENTED BY
July 29—	6 White Rats, *Mus rattus*, Hab. British Islands	J. R. Sykes, Esq., 15 Garville-avenue
July 5—	1 Burmese Dog	Commander F. French, Glenmalyre, Ballybrittas
Aug. 19—	1 Green Monkey, *Cercopithecus callitrichus*, Hab. West Africa	Mrs. Barr, Lucan
Aug. 26—	1 Ring-tailed Coati, *Nasua rufa*, Hab. South America	Capt. Bredin, Castlegarde, Pallasgreen, Co. Limerick
Aug. 26—	2 Swans, *Cygnus olor*, Hab. Europe	Sir C. M. Domville, Bart., Abbeyleix
Sept. 9—	1 Gannet, *Sula bassana*, Hab. British Islands	General Sankey, Donnybrook
Sept. 9—	4 East Indian Ducks	Miss Matson, Richmond-avenue, Clontarf
Sept. 23—	1 Alligator, *Alligator mississippensis*, Hab. Mississippi	Walter Gape, Esq., Peamount, Salthill, Galway
Sept. 30—	1 Spotted Salamander, *Salamandra maculosa*, Hab. Europe	W. C. Snow, Esq., Ipswich
Oct. 7—	1 Vulpine Phalanger, *Phalangista vulpina*, Hab. Australia	Dr. J. Browne, Dundalk
Oct. 28—	4 Wild Ducks, *Anas boschas*	H. Waterhouse, Esq., Killiney
Nov. 4—	1 Japanese Pig	Major Ferguson Greer
Nov. 4—	1 Parrakeet, *Palæornis Sp.*	Mrs. Smyly, 56 Fitzwilliam-square
Nov. 11—	1 Seal, *Phoca vitulina*, Hab. British Seas	W. J. Strype, Esq., Wicklow
Nov. 11—	1 Rhesus Monkey, *Macacus rhesus*, Hab. Continental India	J. Malcolmson, Esq., Ballinakill, Waterford

ANIMALS PURCHASED.

DATE	ANIMALS.
April 8—	1 Egret Monkey, *Macacus cynomolgus*, Hab. Java
May 6—	1 Sambur Deer, *Cervus aristotelis*, Hab. India
,, 6—	1 'Lapunda Ape'
,, 6—	4 Rhesus Monkeys, *Macacus rhesus*, Hab. Continental India
,, 6—	2 Egret Monkeys, *Macacus cynomologus*, Hab. Java
,, 6—	7 Gerbilla, *Gerbillus pygargus*, Hab. Arabia
,, 6—	2 Parrots, *Pœocephalus fuscicollis*, Hab. West Africa
,, 6—	1 Coati, *Nasua rufa*, Hab. S. America
,, 6—	1 Golden Eagle, *Aquila chrysætus*, Hab. Europe and N. America
,, 6—	2 French Red legged Partridge, *Caccabis rufa*, Hab. Europe
,, 6—	1 Sooty Phalanger, *Phalangista fuliginosa*, Hab. Van Diemen's Land.
,, 6—	1 Vulpine Phalanger, *Phalangista vulpina*, Hab. Australia
,, 13—	15 Godwits, *Limosa lapponica*, Hab. Europe
,, 13—	10 Common Teal, *Querquedula crecca*, Hab Europe
,, 13—	8 Widgeon, *Mareca penelope*, Hab. Europe
,, 13—	4 Golden-eye, *Clangula glaucion*, Hab. Europe
,, 13—	1 Bonelli's Eagle, *Nisaetus fasciatus*, Hab. Europe
,, 13—	12 Land Tortoises, *Testudo græca*
,, 13—	1 Spotted Salamander, *Salamandra maculosa*, Hab. Europe
,, 13—	2 Summer Ducks, *Aix sponsa*, Hab. North America
,, 21—	1 Puma, *Felis concolor*, Hab. America
,, 21—	2 Vulpine Phalangers, *Phalangista vulpina*, Hab. Australia
June 10—	1 Black Leopard, *Felis pardus*, Hab. Southern Asia and Africa
July 22—	6 Pea-fowl, *Pavo cristatus*, Hab. India
Aug. 5—	2 Black Swans, *Cygnus atratus*, Hab. Australia
Sep. 30—	1 Rough-legged Buzzard, *Archibuteo lagopus*, Hab. Europe
Oct. 7—	1 Otter, *Lutra vulgaris*, Hab. British Islands
,, 7—	1 Polar Bear, *Ursus maritimus*, Hab. Polar regions
,, 14—	3 Reindeer, *Rangifer tarandus*, Hab. North Europe, Asia, and America
,, 14—	1 Seal, *Phoca vitulina*, Hab. British Seas
,, 21—	1 Seal, *Phoca vitulina*, Hab. British Seas
,, 23—	1 Ichneumon, *Herpestes smithii*, Hab. India

ANIMALS BORN IN THE GARDENS DURING THE YEAR 1886.

DATE	ANIMALS.
Jan. 21—	1 Guinea Pig, *Caria porcellus*
May 28—	1 Llama, *Llama peruana*, Hab. Peru
Sept. 9—	1 Leopard, *Felis pardus*, Hab. Southern Asia and Africa
Oct. 24—	2 Lions, *Felis leo*, 2 female, Mother's name (Minnie), Hab. Africa and South-western Asia
Nov. 6—	4 Lions, *Felis leo*, 2 males, 2 females, Mother's name Quee n), Hab. Africa and South-western Asia

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ANIMALS ON DEPOSIT.

1884.		
April 10—	1 White Camel, *Camelus bactrianus*, Hab. Central Asia	From Messrs. Powel and Clarke, Belfast
June 12—	1 Great Sulphur-crested Cockatoo, *Cacatua galerita*, Hab. Australia	From the Rev. S. J. Whitmee, Leinster-square, Rathmines
1885.		
Oct. 26—	1 Diana Monkey, *Cercopithecus diana*, Hab. West Africa	From Cox Smith, Esq. Summerhill, Cork
Dec. 26—	1 Bonnet Monkey, *Macacus sinicus*, Hab. Continental India	From G. N. Ferguson, Esq., Howth

LIST OF MEMBERS

OF THE

Royal Zoological Society of Ireland.

HONORARY MEMBERS.

Bell, Professor, F.R.S., Selbourne
Carus, M. Victor, Museum, Leipsic
Jenyns, the Rev. L., F.R.S.
Jones, Professor Rymer, F.R.S., King's College, London
Just, Wm. Pacific Steam Navigation Company, Liverpool
Leech, Colonel, R.E., Highgate, London
Mayo, Right Hon. the Earl of, Palmerston House, Naas
Montgomery, General, G.S., C.S.I., H.M. Indian Army, Fort Royal Rathmullen
Owen, Professor Sir Richard, F.R.S., British Museum, London
Rupell, M. M., Frankfort
Sclater, P. Lutley. Ph.D., F.R.S., Secretary, London Zoological Society
King, Charles Croker, M.D., 34 Upper Fitzwilliam-street

CORRESPONDING MEMBERS.

James Armstrong, M.B., 8 Leeson-park
William Armstrong, Surgeon-Major, Curragh Camp
Colonel Collingwood, 21st Fusiliers
William Corbet, Green Hall, Rathcormack, county Cork
John P. Denton, jun., West Hartlepool
George S. Dobson, F.R.S., Assistant Staff Surgeon, India, Royal Victoria Hospital, Netley, Southampton
Hon. H. Fitzgerald, Trinidad
J. B. Hamilton, Esq., M.D., Royal Artillery, Surgeon-Major
His Excellency Sir J. Pope Hennessy
Henry Thomas Henry, M.D., Bathurst, Gambia, West Africa
J. J. Lamprey, M.D., 2nd West India Regiment
E. C. Markey, Esq., M.D., Surgeon-Major, India
F. A. Montgomery Moore, late 1st West India Regiment
C. B. Mosse, Surgeon-Major, Kingston, Jamaica
Capt. Joseph Nelson, ship, "Parsee," 4 Eglinton-ter., Ranelagh
J. M. Price, Surveyor-General, Hong Kong
Captain Seymour, Commissioner of Police, Queensland
E. Guy Selby Smith, Sudbury-on-Thames
Rev. John MacG. Ward, Chaplain R.N., H.M.S. "Topaze"
N. W. Fitzgerald, 33 Queen-street, Melbourne
T. Digby, Esq., M.D.
H. H. Henderson
Phineas S. Abraham, M.B., F.R.C.S.I.

LIFE AND ANNUAL MEMBERS.

✠ *Indicates Life Members.*

✠ The Rt. Hon. Earl Spencer, K.G., P.C., D.C.L., Spencer House, St. James'-place, London, S.W.
✠ The Right Hon. the Earl Cowper, K.G.
✠ The Countess Cowper
✠ The Right Hon. the Earl of Kimberley
✠ The Right Hon. the Earl of Aberdeen
✠ The Most Hon. the Marquis of Londonderry
His Serene Highness Prince Edward of Saxe-Weimar, K.C.B.
✠ Abbott, Rev. Thomas K., F.T.C.D., Trinity College
Alexander, Alfred J., Richmond-villa, Monkstown
Alexander, William, 10 Belgrave-square, Monkstown
✠ Allen, Henry J., Fern Dene, Stradbrook, Blackrock
✠ Allen, Richard Purdy, 48 Pall Mall, London, S.W.
✠ Annaly, Right Hon. Lord, Woodlands, Clonsilla
✠ Archer, William, F.R.S., National Library of Ireland
✠ Ardilaun, Right Hon. Lord, St. Anne's, Clontarf
✠ Ardilaun, The Lady, St. Anne's, Clontarf
Armstrong, Andrew, Rathmines
Ashbourne, Rt. Hon. Lord, 23, Fitzwilliam-square
Atthill, Lombe, M.D., 94 Merrion-square
✠ Atkinson, Robert, Trinity College
✠ Atkinson, John, Ely-place
Bagot, John, J.P., 28 William-street
✠ Ball, Charles B., M.D., 16 Lower Fitzwilliam-street
✠ Ball, Sir Robert Stawell, LL.D., F.R.S., Observatory, Dunsink
✠ Ball, Valentine, F.R.S., F.G.S., Leinster House, & 28 Waterloo-rd.
✠ Bangor, Right Hon. Lord, Castleward, Downpatrick
✠ Banks, John T., M.D., 11 Merrion-square, east
✠ Barker, Richard Oliver, 6 Gardiner's-row
✠ Barker, William Oliver, M.D., 6 Gardiner's-row
Barrington, Sir Croker, Bart., 60 Fitzwilliam-square, north
Barrington, Sir John, Knight, D.L., J.P., St. Anne's, Killiney
✠ Barrington, R. M., Fasseroe, Bray
Barrington, J. P., Ballybrack
Barton, Henry M., 4 Foster-place
Barton, H. D. M., Farnderg, Dundalk
Barton, John K., M.D., 24 Lower Fitzwilliam-street
Battersby, Francis, M.D , 15 Warrington-place
Baxter, Charles Patrick, M.D., 66 Lower Baggot-street
✠ Beach, Sir M. E. Hicks, M.P., Portman-square, London
✠ Beaney, J. G., M.D., Melbourne
Bennett, Edward H., M.D., 26 Lower Fitzwilliam-street
Bennett, James C., Ellerslie, Temple-road, Rathmines
✠ Benson, Arthur, M.D., Fitzwilliam-square, west
Bentham, William, 66 Upper Sackville-street
✠ Bewley, Samuel, J.P., 6 Dame-street
✠ Bewley, Samuel, junior, 6 Dame-street

✠ Black, William Fleming, 27 Eccles-street
✠ Blood, Bagot, Templemaley, Ennis
✠ Blood, J. L. H., Longford-terrace, Monkstown
Blood, Frederick, Mountjoy Brewery
Blyth, John, M.D.. The Slopes, Kingstown
Bolland, E. H., Wodehouse-terrace, North Circular-road
✠ Bolton, S. H., J.P., Grove House, Rathmines-road
✠ Bookey, Mrs. William, Beauchamp, Bray
✠ Bomford, George, Oakley Park, Kells
Boyd, Samuel, J.P., Shanganagh Park, Loughlinstown
Brady, Sir Thomas F., 11 Percy-place
✠ Brady, Maziere J., 2 Wilton-place
✠ Brooke, Sir Victor, Bart., Coolbrook, Brookboro'
✠ Brooks, Maurice, D.L., Sackville-place
✠ Brooks, M., junior, Gresham-terrace, Kingstown
✠ Browne, R. C., Viewmount, Carlow
Browne, Robert, M.D., Largo House, Rathmines
Brown, Vere Ward, Ralnagowan, Upper Rathmines
Browne, Mrs., 8 Merrion-square, north
Brunker, James E., Minore, St. Kevin's-park, Rathmines
✠ Burke, Edward F., 16 Bachelor's-walk
Burke, William, 1, Clanwilliam-place
✠ Burke, Sir Bernard (Ulster), Dublin Castle
Burne, Joseph Graham, M.D., 38 Westland-row
✠ Burton, Decimus, F.R.S., 37 Gloucester Gardens, Bayswater, Lon.
✠ Butler, Lord James, 18 Rutland-square, north
Calwell, Nathaniel, 39 Fitzwilliam-place
Cameron, Sir Charles, M.D., Pembroke-road
Campbell, Alderman, Mountjoy-square
Carleton, James Crichton, 62 Northumberland-road
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OF

The Royal Zoological Society

OF IRELAND,

FOR THE YEAR ENDED 31ST DECEMBER,

1887.

DUBLIN:
BROWNE AND NOLAN, PRINTERS, NASSAU-STREET.
1888.

OFFICERS AND COUNCIL, 31st JANUARY, 1888.

PATRONESS.

HER MAJESTY THE QUEEN.

EX-PRESIDENTS.

VISCOUNT POWERSCOURT, K.P.
EARL SPENCER, K.G.
J. W. MURLAND.

PRESIDENT.

HAUGHTON, REV. S.

VICE-PRESIDENTS.

REEVES, R.
CARTE, W.
CUNNINGHAM, D. J.
PEEBLES, W. E.
GORDON, S.

SECRETARY.

BALL, V.

TREASURER.

BARTON, H. M.

COUNCIL.

BALL, R. S.
FINDLATER, W.
GORDON, S. T.
HOGG, J.
HUTTON, T. M.
LALOR, J. J.
LENTAIGNE, J. N.
LLOYD, J. R.
MACAN, A. V.
NEDLEY, F.
ROBERTS, S. U.
TOWNSHEND, C. U.
TRAILL, A.
TWIGG, S. K.
WALLACE, C. J.

Laws and Regulations

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

Chapter I.—THE CONSTITUTION.

1. The Society consists of Ordinary Members and Honorary Members.

2. The Officers shall be chosen from amongst the Ordinary Members, and shall be—

A President,
Five Vice-Presidents,
A Secretary, and
A Treasurer,

who, together with fifteen other Ordinary Members of the Society, shall constitute the Council.

3. The Officers and Council for each year shall be elected at the Annual General Meeting of the Society.

4. But in case any Officer, or other Member of the Council shall die or resign, the Council may appoint a Member to supply his place until the next Annual Meeting.

Chapter II.—THE MEMBERS.

1. Every person wishing to become a Member of the Society must be proposed in writing to the Council, by one Member of Council, and seconded by another; and upon election and payment of his admission fee, such person shall be a Member of the Society.

2. But he shall not exercise the privileges of a Member until his first year's subscription is paid in advance.

3. The Admission Fee shall be *One Pound*, the Annual Subscription *One Pound*, and the Composition for life in lieu thereof, *Ten Pounds*.

4. The Annual Subscription shall be due on the first of January in each year, and shall be payable in advance.

5. If the Subscription of any Member is not paid within one year after it is due, he shall cease to be a Member until he shall have paid up his arrears.

6. No person becoming a Member after the first day of October in any year, shall be liable for the Subscription for that year.

7. No person shall exercise the privileges of a Member until he shall have paid his Subscription for the current year.

8. Ladies may be admitted as Members upon the same terms, and with the same privileges, as gentlemen.

9. Members of the Society, and such Members of their families as are *bonâ fide* resident with them, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and in the case of children of Members, the name of the person in charge of them being also signed.

Chapter III.—HONORARY MEMBERS.

1. Distinguished persons may be elected Honorary Members without annual or other payment, by a vote of the Society, at any of its Meetings, upon the previous recommendation of the Council.

2. Honorary Members shall have the same privileges as other Members, except that of voting at the Meeting.

3. The number of Honorary Members shall be limited to twenty.

Chapter IV.—THE OFFICERS.

The President.

1. The President shall preside at all Meetings of the Society and Council, when present, and shall generally superintend the affairs of the Society.

2. The same person shall not be President for more than five successive years.

3. Ex-Presidents shall continue to be Honorary Members of Council.

Vice-Presidents.

1. Of the five Vice-Presidents, two at least shall go out at each election, but this shall not prevent their continuing Members of Council in another capacity.

2. The Vice-Presidents shall supply the place of the President in his absence.

The Secretary.

It shall be the duty of the Secretary to see to the execution of the rules, orders, and directions of the Society and Council.

The Treasurer.

No money shall be paid by the Treasurer, except upon the written order of the Council, signed by at least three of its Members.

Chapter V.—THE COUNCIL.

1. Three Members shall form a Quorum.

2. The Council shall meet at such times as they themselves shall determine.

3. It shall be the duty of the Council to conduct the business of the Society, subject to the laws and regulations of the Society at large.

4. All questions shall be decided by the majority of voices; and where the numbers are equal, the Chairman shall have a casting voice; but he shall not vote except in such case.

5. The Council may summon a Meeting of the Society for scientific purposes whenever they think fit, stating the object of such Meeting; and at such Meeting no business but that stated in the notice shall be discussed.

6. At least three of the Council shall go out at each election.

7. No member of the Society having any contract with the Society or Council for which payment is to be made, shall be eligible to a seat in the Council in any capacity; and if the name of any member of the Society having a contract with the Society, or receiving any fee or emolument from the Society, shall be found in the Ballot that name shall be set aside by the Chairman, notwithstanding any number of votes that may be appended to it; and if any Member or Officer of the Council enter into any contract with the Society, or receive from it any fee, payment, or emolument, his seat shall become *ipso facto* vacant in the Council, and the Council shall immediately summon a Meeting of the Society, to elect a member to the vacant place.

Chapter VI.—ANNUAL MEETING.

The Annual Meeting shall be held on the last Tuesday in January in each year, for the purpose of electing the Council and Officers for the ensuing year, and of hearing the Report of the Council read, and auditing the Accounts.

Election of Officers.

1. The Council for the time being shall annually cause to be prepared a list of persons whom they recommend to be Officers and Council for the ensuing year.

2. The list shall distinguish the three or more Members proposed to be removed, and the three or more proposed to be elected in their room, and it shall be transmitted to each Member residing in Dublin, by post, along with the notice of the time and place of the General Meeting, to be sent at least seven days before the day of Meeting.

3. The Chair shall be taken at four o'clock, when the Ballot shall commence and continue open for one hour, at the expiration of which time the Chairman shall proclaim that the time had arrived when the ballot shall close, and order the porter not to admit any other Members into the room, and then the Chairman shall call on the Members in the room who have not balloted to come forward and ballot, and the scrutiny shall forthwith take place; and those persons to whose names the greater number of marks shall have been affixed shall be declared duly elected in the order and places in which they stand, provided at least three new Members be elected, but if not, then these of the proposed Members who have the least number of marks shall be rejected, until at least three former Members are excluded, and their places shall be filled by those who have the next greatest number of marks.

4. If two or more names have the same number of marks, the order of preference shall be decided by lot.

General Business.

1. No motion respecting a change in the laws or constitution of the Society shall be discussed or voted upon at the Annual or other meeting, except as hereafter provided, unless notice thereof be given in writing to the Council, at least one month before such meeting; the Council to give seven days' notice to the Members, as before ordered.

2. But the Council may propose, and bring to the vote, any measure or question, at any of the Meetings of the Society, provided it shall have been under their consideration for at least one month, and that notice thereof be given to the Members in the circular notice of such Meeting, at least seven days previous to the day of Meeting.

Chapter VII.—THE GARDENS.

1. Any person enrolling his name in a book kept at the gate of the Gardens, and paying One Pound a-year, shall be a Subscriber, and shall have the same privileges of ingress to the Gardens, as a Member of the Society.

2. The Council shall have the power of suspending all rights of free entrance to the Gardens upon the day of a public fete, or similar occasion, when such shall be given for the benefit of the Society.

3. During frost, the Council shall have power to suspend all privileges of Members and Garden Subscribers, except that of personal admission.

4. The Council shall have power from time to time to vary, as may seem fit to them, the rates of admission to non-subscribers.

ANNUAL MEETING.

The Annual Meeting of the Members of the Society, for the election of Officers and Council, and other business, was held in the King and Queen's College of Physicians, on Tuesday, the 31st of January, at Four o'clock, P.M.

REPORT OF COUNCIL

During the year 1887, the number of Visitors to the Gardens, and the receipts at the entrance gate, were as follows:—

			Admissions in 1886.					Admissions in 1887.				
Members			7,006					7,297				
Public Institutions			2,053					2,915				
Members' Tickets			252					153				
	s.	d.			£	s.	d.			£	s.	d.
Visitors at	2	6	30	@ 5s.	7	10	0					
Do. ,,	1	0	7,747		387	7	0	7,462		373	2	0
Do. ,,	0	6	8,878		221	19	0	10,429		260	14	6
Do. ,,	0	3	3,067		38	6	9	3,151		39	7	9
Schools ,,	0	3										
Visitors ,,	0	2	50,829		423	11	6	45,707		380	17	10
Do. ,,	0	1	12,947		53	18	11	11,243		46	16	11
			92,809		£1,132	13	2	88,357		£1,100	19	0

The total number of Visitors and receipts at gate during the past ten years have been, as follows:—

Year.	Visitors.	Receipts.
1878	110,173	£1,494 3 4
1879	103,155	1,298 1 5
1880	112,727	1,353 19 9
1881	120,787	1,439 14 5
1882	125,598	1,611 18 10
1883	105,479	1,447 7 3
1884	114,845	1,619 11 3
1885	110,687	1,291 15 4
1886	92,809	1,132 13 2
1887	88,357	1,100 19 0

During the corresponding years the total receipts from Entrance Fees and Subscriptions, were :—

Year.				Entrance Fees and Subscriptions
1878	...	..	...	£580
1879	...	...	...	551
1880	...	..	...	531
1881	...	...	...	724
1882	..	...	...	723
1883	...	...	...	416
1884	...	..	...	466
1885	...	..	...	438
1886	...	...	...	460
1887	Life Members (3)	£30 0 0		
	Admission Fees (8)	8 0 0		
	Members' Subscriptions	299 1 0		
	Garden Subscribers	24 0 0		
				361 1 0

The receipts from Sunday admissions, during the past ten years, have been :—

1878	...	...	...	£535 10 4
1879	...	...	...	467 13 5
1880	...	...	...	539 3 3
1881	...	...	...	524 0 11
1882	..	...	...	573 19 7
1883	...	..	...	442 9 0
1884	...	...	...	510 3 0
1885	...	...	...	538 10 6
1886	...	...	...	477 10 5
1887	..	...	..	427 14 9

In last year's Report attention was drawn to the considerable falling off in the attendance and consequently in the receipts at Gate, and it is to be regretted that on this occasion not only is there a further reduction under these headings, but the receipts from Entrance Fees and Subscriptions have also fallen during the past year. Our income from these combined sources was about £140 less in 1886 than it was in 1885, and it is now further diminished by about £130.

Owing to the necessary charges for support of the gardens, and the repairs of buildings, we should have

found it very difficult indeed to have made any important additions to our stock of animals had we not been enabled to realize a sum of about £260 by the sale of lion cubs and other animals born in the gardens.

Passing by this retrospect, which shows the difficulties we have had to contend with, we have pleasure in announcing that we have in the gardens, at the present moment, a very valuable collection of animals, as will be seen from the appended lists.

New Houses and Repairs, &c.—The alteration in the Monkey Houses and the opening a doorway between them has proved most beneficial in every way. The question of constructing outdoor dens in connection with the monkey house, claims some consideration; but owing to the nature of our climate is not exactly of pressing necessity.

A fine paddock and shelter for our small flock of Red Deer have been constructed at the end of the lake.

The Aquarium has been much improved by the introduction of skylights at the ends, and some other changes.

Our chief desideratum, at present, is a house for the Herbivores, which are now much scattered in various enclosures through the gardens. In order to build a suitable one a considerable sum of money would be required, but the Council are prepared, should they receive promises of aid, to so plan it that it could be built in sections which could be added from time to time as funds were provided.

Breeding of Lions.—In the account given of the Lions in last year's Report it was stated that up to the close of the year 137 Cubs had been born, and that the stock in hand consisted of 10 Lions. During 1887, 4 Cubs were born on the 5th August, all being males, thus raising the total number of births to 141. Five Cubs were sold for £225, or at an average price of £45 each, which is considerably in excess of the average

on the total previous sales. The stock at present in the gardens consists of nine animals, as follows :—

Lion "Paddy," born 9th October, 1879	1
Lioness "Minnie," bought 2nd February, 1883	1
Lioness "Queen," bought 2nd February, 1883	1
Lioness Cub (Minnie's), born 24th October, 1886	1
Lion Cub (Queen's), born 6th November, 1886	1
Lion Cubs (Queen's), born 5th August, 1887	4
	9

Three of the Cubs referred to as having been sold, were purchased by the Adelaide Gardens, in Australia, and we were glad to receive news of their safe arrival, and to hear that in a short time they had recovered from the effects of the voyage, which had proved very trying in consequence of the heat of the Red Sea. The other two Cubs having been sold to a dealer, we do not know their destination. It is gratifying to be able to state that the two Cubs of 1886, which we have retained for stock, and the four male Cubs of 1887, are all in excellent health, and that out of 16 Cubs born during the last three years, only one has died.

The male lion, Paddy, born in 1879, is now in his ninth year, and it may be confidently asserted that a finer animal is not to be seen in any public gardens.

Your Secretary during the Autumn visited the Zoological Gardens in Berlin, Dresden, Antwerp, and other places, and made some enquiries about the breeding of lions, although successfully carried out in several of these gardens, the facts do not appear to have been placed on record in any accessible form. It cannot be doubted that a very large number of lions are born annually in the gardens and menageries of Europe, and it is satisfactory therefore to find that the price we can obtain for our Cubs continues to be so high.

Moose.—The Society is indebted to Mr. S. K. Twigg, one of its members, for a pair of Moose, which he obtained in Canada, and brought home to Dublin under

his own immediate charge. But for his unceasing care it would have been impossible for us to have obtained these animals. Unfortunately since their arrival the female died, and as the cause of her death has been ascertained to be a disease of long standing, no difference in the mode of treatment would have saved her life. In recognition of his services the Council propose to the Society to elect Mr. Twigg to all the privileges of Membership for the rest of his life without further payment.

Ourang Outang.—The Ourang, which has now been in the Gardens for upwards of two and a half years, namely, from the 10th August, 1885, has recently been very ill, but is now almost completely recovered. Our success in keeping one of these delicate animals for so long a period is most satisfactory.

Elephants.—Early in the year it was proposed to employ a Professional Elephant Trainer to bring our Elephants under more complete control than they are at present. Subsequently it was thought better to postpone any action in the matter till the present year.

Death of the Duke of Leinster.—During the year his Grace the late Duke of Leinster, a former President of the Society, died on the 10th of February. It is needless to say here that he had taken an active interest in this as in many other societies and institutions intended for the benefit and instruction of the people of Ireland. A resolution expressive of the regret and sympathy felt by the Council was duly forwarded to his family.

From the following lists it will be seen that the Society now consists of—

Honorary Members	12
Corresponding Members	24
Ordinary Members—	
(*a*) Life	184
(*b*) Annual	250
Garden Subscribers	100

V. BALL, *Hon. Sec.*

20*th January*, 1888.

ROYAL ZOOLOGICAL SOCIETY OF IRELAND—ACCOUNT FOR YEAR ENDING 31ST DECEMBER, 1887.

RECEIPTS.

		£ s. d.	£ s. d.
Admissions to Gardens—			
Members	7,297		
Public Institutions	2,915		
By Members' Tickets	153		
Visitors at 1s.	7,462	373 2 0	
Do. at 6d.	10,429	260 14 6	
Do. at 3d.	3,151	39 7 9	
Do. at 2d.	45,707	380 17 10	
Do. at 1d.	11,243	46 16 11	
Total	88,357		1,100 19 0
Government Grant— One Year to 1st October, 1887		...	500 0 0
Members' Subscriptions		...	299 1 0
Garden Subscribers		..	24 0 0
			1,924 0 0
Animals sold		250 0 0	
Incidental Receipts		10 4 5	
			260 4 5
Balance due to Bank		.	184 0 9
			£2,368 5 2

EXPENDITURE.

	£ s. d.
Balance due to Bank per last Account	33 7 8
Purchase of Animals	243 19 0
Provisions for Animals	724 17 3
Printing	55 9 4
Advertising	5 14 0
Incidental Expenditure, including Coal, Coke, Gas, Clothing for Men, and Collector's Commission	245 3 0
Buildings and repairs	300 13 11
Bands	10 10 0
Water Rate	65 19 0
Salaries and Wages	682 12 0
	£2,368 5 2

SPECIAL FUND.—IN HANDS OF PRESIDENT AND TREASURER.

			£ s. d.
1886—Dec. 31st	By Balance as per last Account ...	...	17 6 4
1887—Dec. 31st	Members' Life Compositions (3) ...	30 0 0	
	New Members' Admission Fees ...	8 0 0	
	Dog Show, 1885, Committee ...	1 9 5	
			39 9 5
			£56 15 9

	£ s. d.
1887—Dec. 31st Balance in hands	56 15 9
	£56 15 9

SAMUEL HAUGHTON, *President.*
H. M. BARTON, *Hon. Treasurer.*

I have examined these Accounts; compared them with Vouchers produced, and find same correct.

H. R. GUINNESS, College-green.

January, 1888.

LIST OF ANIMALS LIVING IN THE GARDENS.

DECEMBER, 1887.

Class Mammalia—Order I. Quadrumana.

Family Simiide—Genus Simia.

1. *Simia satyrus*, Ourang-Outang, Hab. Sumatra and Borneo; male, purchased 10th August, 1885.

Family Cercopithecidae. Genus Cercopithecus.

2. *Cercopithecus callitrichus*, Green Monkey, Hab. West Africa; male, purchased 1st September, 1887; male presented by Mrs. Saer, 19th August, 1887.

3. *Cercopithecus mona*, Mona Monkey, Hab. West Africa; male, purchased 28th July, 1887; male, purchased 17th November, 1887.

4. *Cercopithecus diana*, Diana Monkey, Hab. West Africa; male, purchased 29th September, 1887.

5. *Cercopithecus pluto*, Pluto Monkey, Hab. West Africa; male, purchased 29th September, 1887.

6. *Cercopithecus cephus*, Moustache Monkey, Hab. West Africa; male, presented by Dr. Goulding, 8th September, 1887; male, presented by Dr. Goulding, 8th September, 1887.

Genus Cercocebus.

7. *Cercocebus fuliginosus*, Sooty Mangabey, Hab. West Africa; male, presented by Ward Brown, Esq., 20th March, 1878; male, purchased, 17th November, 1887.

Genus Macacus.

8. *Macacus sinicus*, Bonnet Monkey, Hab. Continental India; male, presented by J. Engelbach, Esq., February 17th, 1887.

9. *Macacus cynomolgus*, Macaque Monkey, Hab. India; male, presented by E. H. Bennett, Esq., M.D., June 9th, 1887; male, presented by W. D. Porter, 24th November, 1887.

10. *Macacus nemestrinus*, Pig-tailed Monkey, Hab. Java; male, purchased 6th May, 1887.

11. *Macacus rhesus*, Rhesus Monkey, Hab. Continental India; female purchased 12th May, 1885; female, purchased 22nd September, 1885; male, presented by J. Malcolmson, Esq., 11th November, 1886; male, presented by R. J. Murphy, Esq., 15th September, 1887; female, presented by Sergeant Patrick Hogan, 4th R. I. Fusiliers, 22nd December, 1887.

12. *Cynocephalus mormon*, Mandrill, Hab. West Africa; male, purchased 19th August, 1885; female purchased November 17th, 1887.

13. *Cynocephalus leucophæus*, Drill, Hab. West Africa; male, purchased 14th May, 1885.

Family Cebidæ—Genus Cebus.

14. *Cebus fatuellus*, Brown Capuchin, Hab. Guiana; male, purchased 3rd September, 1885; male purchased 3rd September, 1885; male, purchased 3rd September, 1885.

Order II.—Lemures.

Family Lemuridæ—Sub-family Lemurinæ—Genus Lemur.

15. *Lemur brunneus*, Black-headed Lemur, Hab. Madagascar; male, purchased 30th October, 1884.

16. *Lemur catta*, Ring-tailed Lemur, Hab. Madagascar; female, presented by L. F. Fallin, Esq., V.S., 21st March, 1882; male, purchased 2nd June, 1887.

Order III.—Carnivora.

Family Felidæ—Genus Felis.

17. *Felis leo*, Lion, Hab. Africa and South Western Asia. Male born in the Gardens, 9th October, 1879; female (Minnie), purchased 13th February, 1883; female (Queen) purchased 13th February, 1883; female born in the Gardens (Minnie's), 24th October, 1886; male born in the Gardens (Queen's), 6th November, 1886; males, 4 born in the Gardens (Queen's), 5th August, 1887. Total, 9.

18. *Felis tigris*, Tiger, Hab. Eastern Asia; male, presented by his Highness the Raja of Partabghur, through General Montgomery; female, purchased 21st May, 1885.

19. *Felis pardus*, Leopard, Hab. Southern Asia and Africa; male, purchased 22nd April, 1878; female presented by H. J. Henderson, Esq., 27th October, 1882; female purchased; male (African) presented by Dr. Digby, 21st May, 1885; female (African) presented by Dr. Digby, 21st May, 1885; male, black variety, purchased 8th June. 1886.

20. *Felis serval*, Serval, Hab. Africa; male, purchased 15th July, 1887.

21. *Felis chaus*, Egyptian Cat. Hab. North Africa; male, purchased June, 1882.

22. *Felis concolor*, Puma, Hab. America; female, purchased 21st May, 1886.

23. *Felis pardalis*, Ocelot, Hab. America; male, purchased 14th July, 1887; male, purchased 14th July, 1887.

Family Viverridæ—Genus Genetta.

24. *Genetta vulgaris*, Common Genet, Hab. South Europe; male, purchased 12th May, 1885.

25. *Nandinia binotata*, West Coast of Africa; male, presented by Dr. Harte, 26th March, 1882.

Genus Herpestes.

26. *Herpestes griseus*, Grey Ichneumon, Hab. India; male, purchased 23rd October, 1886.

Genus Cynictis.

27. *Cynictis penicillata* Levaillant's Cynictis, Hab. South Africa; male, purchased October 13th, 1887.

Genus Suricata.

28. *Suricata tetradactyla*, Suricate, Hab. South Africa, purchased 13th October, 1887.

Family Hyænidæ—Genus Hyæna.

29. *Hyæna crocuta*, Spotted Hyæna. Hab. South Africa; male, purchased 15th June, 1870.

30. *Hyæna striata*, Striped Hyæna, Hab. South Asia and North Africa; male, presented by Lord Mayo, 15th August, 1872.

Family Canidae—Genus Canis.

31. *Canis familiaris*, Burmese Dog; Hab. Burmah; male, presented by Commander F. French, 5th July, 1886.

32. *Canis familiaris*, Egyptian Dog; male, presented 3rd April, 1881, by Lt. Cusack; taken on the battle-field of Tel-el-Keber.

33A. *Canis tibetanus*, "The Griffin," of Herodotus, Hab. Thibet; presented by G. Rosse, Esq., D.L., R.I.C., 6th October, 1885.

33. *Canis lupus*, Common Wolf, Hab. Europe; male, purchased 25th March, 1876.

33. *Canis vulpes*, Common Fox, Hab. British Islands; male, purchased 23rd July, 1882; male presented by Lord Kildare, 10th February, 1887.

34. *Canis procynides*, Raccoon-like Dogs (4); purchased 8th September, 1887.

35. *Canis anthus*, North African Jackal, Hab. North Africa; male, presented by J. N. Lentaigne, Esq., 30th October, 1884.

36. *Canis mesomelas*, Black-backed Jackal, Hab. South Africa; male, presented by R. Malley, Esq., 27th May, 1880.

Family Mustelidæ—Genus Mustela.

37. *Mustela martes*, Pine Marten, Hab. British Islands; male, presented by the Earl of Rosse, 24th June, 1876.

38. *Mustela furo*, Common Ferret, Hab. British Islands; male, purchased November, 1886.

Genus Meles.

39. *Meles taxus*, Common Badger, Hab. British Islands; male, presented by A. More O'Farrell, Esq., 28th April, 1887; male, presented by A. More O'Farrell, Esq., 12th May, 1887.

Genus Lutra.

40. *Lutra vulgaris*, Common Otter, Hab. British Islands; male, purchased 7th October, 1885.

Family Procyonidæ—Genus Procyon.

41. *Procyon lotor*, Raccoon, Hab. North America; male, presented by Sir Richard Martin, Bart., 6th March, 1884.

Genus Nasua.

42. *Nasua rufa*, Ring-tailed Coati, Hab. South America; male, purchased 6th May, 1886; male, presented by Captain Bredin, 26th August, 1886.

Family Ursidæ—Genus Ursus.

43. *Ursus maritimus*, Polar Bear, Hab. Polar regions; female, presented by W. Findlater, Esq., 25th November, 1876; female, purchased 7th October, 1886.

44. *Ursus arctos*, Brown Bear, Hab. Northern Europe and Asia; male, presented by Lord William Compton, 14th October, 1880.

45. *Ursus tibetanus*, Himalayan Bear, Hab. Northern India and China; male and female presented by Lord Mayo, 15th August, 1872; female, presented by R. Rathbourne, Esq.

Genus Melursus.

46. *Melursus ursinus*, Sloth Bear, Hab. India; purchased 22nd September, 1886.

FAMILY PHOCIDÆ—GENUS PHOCA.

47. *Phoca vitulina*, Common Seal; purchased 29th September, 1887; purchased 29th September, 1887; purchased 20th October, 1887; purchased 17th November, 1887; purchased 24th November, 1887.

ORDER VI.—RODENTIA.—GENUS SCIURUS.

48. *Sciurus cinereus*, Grey Squirrel, Hab. North America; male, purchased 29th January, 1885.

SUB-FAMILY GERBILLINÆ—GENUS GERBILLUS.

49. *Gerbillus pygargus*, White-rumped Gerbille, Hab. Nubia and Arabia; male, purchased 6th May, 1886; female, purchased 6th May, 1886.

SUB-FAMILY MURINÆ—GENUS MUS.

50. *Mus rattus*, Black Rat, Hab. British Islands; males (5), Pied variety; presented by J. K. Sykes, Esq., 29th July, 1886.

FAMILY OCTODONTIDÆ—GENUS MYOPOTAMUS.

51. *Myopotamus coypus*, Coypu, Hab. South America; male, purchased 13th October, 1887.

FAMILY HYSTRICIDÆ—GENUS HYSTRIX.

52. *Hystrix cristata*, Crested Porcupine, Hab. Asia and Africa; presented by J. Nescor, Esq., 19th October, 1882.

FAMILY CAVIIDÆ—GENUS CAVIA.

53. *Cavia porcellus*, Restless Cavy or Guinea Pig; presented by Miss Ledwidge, 18th December, 1884.

FAMILY LEPORIDÆ—GENUS LEPUS.

54. *Lepus cuniculus*, Common Rabbit, Hab. British Islands; purchased July, 1887.

ORDER VIII—PROBOSCIDEA.

FAMILY ELEPHANTIDÆ—GENUS ELEPHAS.

55. *Elephas indicus*, Indian Elephant, Hab. India; male, purchased 9th March, 1882; female, purchased 9th March, 1882.

ORDER IX—UNGULATA. SUB-ORDER I. PERISSODACTYLA.

FAMILY EQUIDÆ—GENUS EQUUS.

56. *Equus burchellii*, Burchell's Zebra, Hab. South Africa; male, purchased.

SUB-ORDER II. ARTIODACTYLA—FAMILY BOVIDÆ.

SUB-FAMILY BOVINÆ—GENUS BOS.

57. *Bos indicus*, Zebu, Hab. India; male, presented by L. M. Morgan, Esq., 26th January, 1881; female Hybrid, between this species and Bos Taurus, born in Gardens 21st January, 1887.

GENUS BISON.

58. *Bison americanus*, American Bison, Hab. North America; male purchased 29th March, 1881.

GENUS PŒPHAGUS.

59. *Pœphagus grunniens*, Yak, Hab. Thibet; female, purchased 5th May, 1887.

SUB-FAMILY ANTILOPINAE—GENUS ANTILOPE.

60. *Antilope cervicapra*, Indian Antilope; male, purchased 8th September, 1887; female, purchased 13th October, 1887; female, purchased 13th October, 1887.

SUB-FAMILY CAPRINÆ—GENUS CAPRA.

61. *Capra hircus*, Domestic Goat; male, purchased August, 1887; female, purchased August, 1887.

GENUS OVIS.

62. *Ovis aries*, Domestic sheep; female, presented by John Rush, Esq. 10th June, 1885; female hybrid between above and fat-tailed sheep of Syria, born in the Gardens, 12th April, 1886.

SUB-FAMILY CERVINÆ—GENUS CERVUS.

63. *Cervus elaphus*, Red Deer, Hab. Europe; male, presented by W. P. Garnett, Esq., 8th January, 1874; female presented by the Earl of Kenmare, 6th March, 1875; female, born in the Gardens 20th August, 1884; female, born in the Gardens 25th August, 1885; male, born in the Gardens 29th September, 1886; male, presented by Lord Howth, 20th October, 1887.

64. *Cervus aristotelis*, Sambur Deer, Hab. India; female, purchased 6th May, 1886.

65. *Cervus axis*, Axis Deer, Hab. India; female, purchased 8th September, 1887.

66. *Cervulus muntjac*, Barking Deer, Hab. India; male and female purchased.

GENUS DAMA.

67. *Dama vulgaris*, Fallow Deer, Hab. Europe; male presented by the Board of Works, 10th November, 1887.

GENUS ALCES.

68. *Alces machlis*, Moose, Hab. Northern Europe and North America; male, purchased 14th July, 1887.

GENUS RANGIFER.

69. *Rangifer tarandus*, Reindeer, Hab. Northern Europe, Asia and America; male, purchased 14th October, 1886.

FAMILY CAMELIDÆ—GENUS LAMA.

70. *Lama huanacos*, Huanaco, Hab. Bolivia; female, born in the Gardens 31st July, 1884; male, 20th July, 1883; male, born in the Gardens 27th March, 1884.

71. *Lama peruana*, Llama, Hab. Peru, female; male, purchased 7th July, 1881; male born in the Gardens 28th May, 1886,

GENUS CAMELUS.

72. *Camelus dromedarius*, Common Camel, Hab. Egypt; male, purchased 25th November, 1885.

ORDER XII.—EDENTATA—FAMILY DASYPODIDÆ.

GENUS DASYPUS.

73. *Dasypus sexcinctus*, Six-banded Armadillo, Hab. Brazil; male, purchased 6th September, 1883; male, purchased 6th September, 1883.

ORDER XIII—MARSUPIALIA.—FAMILY DASYURIDÆ.

GENUS DASYURUS.

74. *Dasyurus maugæi*, Mauge's Dasyure, Hab. Australia; male, purchased 14th May, 1885.

FAMILY PHALANGISTIDÆ—GENUS PHALANGISTA.

75. *Phalangista vulpina*, Vulpine Phalanger, Hab. Australia; male, presented by Dr. J. Brown, October 7th, 1887; male, purchased 21st May, 1886.

FAMILY MACROPODIDÆ—GENUS PETROGALE.

76. *Petrogale penicillata*, Brush-tailed Kangaroo, Hab. New South Wales; male, purchased 26th May, 1887; female, purchased 26th May, 1887.

77. *Macropus sp.*, Kangaroo, Australia, purchased.

Class Aves—Order I. Passeres.

Family Turdidæ. Sub-Family Turdinæ.

1. *Turdus musicus*, Song Thrush, Hab. British Islands.
2. *Turdus merula*, Blackbird, Hab. British Islands.
3. *Erithacus eubecula*, Redbreast, Hab. British Islands.
4. *Estrelda cinerea*, Common Waxbill, Hab. West Africa; presented by W. R. Joynt, Esq., 11th June, 1885.
5. *Estrelda subflava*, Zeber Waxtail, Hab. Africa; purchased 3rd September, 1883.
6. *Quelea sanguinirostris*, Red-beaked Weaverbird, Hab. West Africa; 7 purchased 3rd April, 1884.
7. *Hyphantornis capensis*, Olive Weaverbird, Hab. South Africa; purchased 3rd April, 1888.
8. *Passer montanus*, Tree Sparrow, Hab. British Islands; presented 1887.
9. *Ligurinus chloris*, Greenfinch, Hab. British Islands; presented by C. J. Wallace, Esq., 12th April, 1885.
10. *Fringilla cœlebs*, Chaffinch, Hab. British Islands; purchased 12th April, 1885.
11. *Carduelis elegans*, Goldfinch, Hab. British Islands; purchased 12th April, 1885.
12. *Serinus canarius*, Canary, Hab. Canary Islands; presented by Dr. Gordon, R.I.C.
13. *Linota cannabina*, Linnet, Hab. British Islands; purchased 12th April, 1885.

Family Corvidæ.

14. *Corvus corax*, Raven, Hab. Europe and North America; purchased 9th October, 1884.
15. *Pyrrhocorax graculus*, Chough, Hab. British Islands; presented by C. J. Wallace, Esq., 8th July, 1886.

Order II. Picariæ. Sub-Order Zygodactylæ.

Family Ramphastidæ.

16. *Ramphastos ariel*, Ariel Toucan, Hab. Brazil; purchased 22nd September, 1887.

Order III. Psittaci.

Family Cacatuinæ. Sub-Family Cacatuinæ.

17. *Cacatua galerita*, Great Sulphur Crested Cockatoo, Hab. Australia; 1 presented by Mrs. Hutchinson, January, 10th, 1884; 2 presented by Mrs. Thornly Stoker, 7th February, 1884; presented
18. *Cacatua sulphurea*, Lesser Sulphur Crested Cockatoo, Hab. Moluccas, presented by L. F. Perrin, Esq., 16th February, 1884.
19. *Cacatua roseicapilla*, Roseate Cockatoo, Hab. Australia; 2 purchased 23rd June, 1881, 6 purchased 22nd September, 1887.
20. *Licmetis tenuirostris*, Slender-billed Cockatoo, Hab. South Australia; 4 purchased 23rd June, 1881.

Sub-Family Calopsittinæ.

21. *Calopsitta novæ-hollandiæ*, Cockateel, Hab. Australia, 5 purchased 6th September, 1883.

Sub-Family Palæornithinæ.

22. *Palæornis torquatus*. Rose-ringed Parrakeet, Hab. India, presented by William Williams, Esq., 15th September, 1887.

23. *Aprosmictus scapulatus*, King Parrakeet, Hab. New South Wales; male, purchased 22nd September, 1887; female, purchased 22nd September, 1887.

24. *Melopsittacus undulatus*, Undulated Grass Parrakeet, Hab. Australia; 6 purchased 23rd June, 1881, 3 purchased 22nd September, 1887.

SUB-FAMILY ARINÆ.

25. *Ara militaris*, Red and Yellow Macaw, Hab. South America; purchased 21st November, 1863; purchased 20th October, 1887.

26. *Ara ararauna*, Blue and Yellow Macaw, Hab. South America; presented by Miss Johnston, 31st January, 1884.

27. *Ara chloroptera*, Green Macaw, Hab. Brazil; purchased 22nd Sept., 1887.

29. *Brotogerys tiriacula*, All Green Parrakeet, Hab. South America; purchased 23rd June, 1881.

ORDER IV. STRIGES.

FAMILY STRIGIDÆ.

30. *Strix flammea*, Barn Owl, Hab. Europe, Asia, Africa and America.

FAMILY ASIONIDÆ.

31. *Asio brachyotus*, Short-eared Owl, Hab. Europe, Asia, Africa and America; presented by Lord Maurice Fitzgerald, 25th August, 1887.

32. *Bubo maximus*, Great Eagle Owl, Hab. Europe and North Asia; purchased 8th Septemher, 1887.

33. *Bubo maculosus*, Spotted Eagle Owl, Hab. Africa, 2; presented by Lieutenant Campbell, 2nd Battalion Connaught Rangers, 1882.

ORDER V. ACCIPITRES.

FAMILY FALCONIDÆ. SUB-FAMILY II. CIRCINÆ.

34. *Circus æruginosus*, Marsh Harrier, Hab. Europe; exchanged for Pigeons 3rd July, 1884; presented by J. C. Carter, Esq., D.I., R.I.C., 20th January, 1887.

SUB-FAMILY III. BUTEONINÆ.

GENUS BUTEO.

35. *Buteo vulgaris*, Buzzard, Hab. Europe; presented by John Fowler Coakson, Esq., 21st July, 1887.

36. *Buteo desertorum*, African Buzzard, Hab. Africa; presented by Dr. Brooks, 15th March, 1883.

37. *Buteo jacal*, Jackal Buzzard, Hab, Africa.

38. *Milvus migram*. Hab. Russia, &c.

39 & 40. *Aquila maritima*. Hab. British Isles, &c.

41. *Aquila chrysaetus*, Golden Eagle, Hab. Europe and North America; presented by the Earl of Roden, Secretary, 1883; presented by A. M. Laihe, Esq., 11th June, 1885; purchased May, 1886; presented by the Queen's College, Galway, 29th November, 1887.

42. *Aquila imperialis*, Imperial Eagle, Hab. Europe and Asia; presented by R. T. Montgomery, Esq., 4th January, 1873.

43. *Aquila audax*, Wedge-tailed Eagle, Hab. Australia; presented by R. Roe, Esq., 27th September, 1867; presented by J. J. Carey, Esq., 24th April, 1874.

44. *Spizaetus coronatus*, Crowned Hawk Eagle, Hab. Senegal; presented by the Rev. Mr. Gerde, 21st May, 1886.

SUB-FAMILY V. FALCONINÆ.

45. *Falco peregrinus*, Peregrine Falcon, Hab. Europe; presented by Lord Powerscourt, 16th June, 1887.

46. *Tinnunculus alaudarius*, Kestrel, Hab. British Islands.

Presented by Thos. Hanna, Esq., 13th December, 1883.
" " 17th December, 1883.
" " 21st December, 1883.
" " 22nd October, 1885.
" " 12th November, 1885.
" " 19th November, 1885.
" " 3rd December, 1885.
" " 19th December, 1885.
Presented by J. Donnelly, Esq., 6th October, 1887.
" " 10th November, 1887.

SUB-FAMILY X. GYPOHIERACINÆ.

48. *Gypohierax angolensis*, Angolan Vulture, Hab. West Africa; presented by Dr. Harte, 13th July, 1882; presented by Dr. Sullivan through Dr. Nixon, 13th January, 1887.

FAMILY CATHARTIDÆ.

49. *Sarcorhamphus gryphus*, Condor Vulture, Hab. South America; presented by the Zoological Gardens, London, 9th September, 1852; purchased 18th March, 1867.

ORDER VI. STEGANOPODES.

FAMILY PELECANIDÆ.

50. *Pelecanus onocrotalus*, White Pelican, Hab. Southern Europe and North Africa; 2 purchased 29th November, 1867.

FAMILY PHALACROCORACIDÆ.

51. *Sula bassana*, Gannet, Hab. British Islands; presented by General Sanky, 9th September, 1886.

52. *Phalacrocorax carbo*, Common Cormorant, Hab. British Islands; presented by Captain Boxer, 21st July, 1887; presented by H. Cliboran, 17th November, 1887.

ORDER VII. HERODIONES.

FAMILY CICONIIDÆ.

63. *Ciconia alba*, White Stork, Hab. Europe; 6 purchased 26th June, 1886.

FAMILY PLATALEIDÆ.

54. *Ibis strictipennis*, Australian Sacred Ibis, Hab. Australia; 3 purchased 22nd September, 1887.

ORDER X. ANSERES.

FAMILY ANATIDÆ.

SUB-FAMILY II. CEREOPSINÆ.

55. *Cereopsis novæ-hollandiæ*, Cereopsis Goose, Hab. Australia; male and female, purchased 7th September, 1886.

SUB-FAMILY III. ANSERINÆ.

56. *Bernicla leucopsis*, Bernicle Goose, Hab. Europe ; 4 presented by the Marquis of Ely, 5th July, 1883 ; 1 born in the gardens, 1886 ; 6 presented by the Board of Works, 23rd June, 1887.

SUB-FAMILY IV. CYGNINÆ.

57. *Cygnus olor*, Mute Swan, Hab. Europe ; 2 presented by — Kinahan, Esq., 15th November, 1883 ; 1 presented by Lady Gough, 26th November, 1885 ; 2 presented by the Board of Works, 3rd December, 1885 ; 4 presented by the Board of Works, 23rd June, 1887 ; 2 hatched in the Gardens, 9th June, 1887.

SUB-FAMILY V. ANATINÆ.

58. *Dendrocygna viduata*, White-faced Tree Duck, Hab. Brazil ; purchased 10th September, 1885.

59. *Dendrocygna javanica*, Indian Tree Duck, Hab. India ; 7 purchased 5th May, 1887.

60. *Tadorna vulpanser*, Common Sheldrake, Hab. Europe ; 4 purchased 8th September, 1887 ; presented by Captain Boxer, 8th December, 1887.

61. *Cairina moschata*, Muscovy Duck, Hab. South America ; male and female, presented by the Board of Works, 23rd June, 1887.

62. *Anas boscas*, Wild Duck, Hab. Europe ; 2 males, presented by the Board of Works, July, 1886 ; 4 females, presented by Howard Waterhouse, Esq., 28th October, 1887 ; 12 Hybrids hatched in the Gardens, June, 1887.

63. *Querquedula crecca*, Common Teal, Hab. Europe ; 5 males, purchased 13th May, 1886 ; 5 females, purchased 13th May, 1886.

64. *Querquedula circia*, Garganey, Hab. Europe ; 4 purchased 8th September, 1887.

65. *Mareca penelope*, Wigeon, Hab. Europe ; 4 males and 4 females, purchased 13th May, 1886 ; 4 males and 4 females, purchased 17th March, 1887.

66. *Æx sponsa*, Summer Duck, Hab. North America ; male and female, purchased 13th May, 1886.

SUB-FAMILY VI. FULIGULINÆ.

67. *Fuligula ferina*, Pochard, Hab. Europe ; 4 males and 4 females, purchased 17th March, 1887.

68. *Clangula glaucion*, Goldeneyes, Hab. Europe ; 2 males and 2 females, purchased 13th May, 1887.

ORDER XI. COLUMBÆ.

FAMILY COLUMBIDÆ.

69. *Columba Œnas*, Stock Dore, Hab. British Islands ; 2, presented by Edward Williams, Esq.

70. *Columba palumbus*, Ring Dove, Hab. British Islands ; 4, purchased 10th September, 1885 ; 5, hatched in the Gardens, 1886.

71. *Turtur communis*, Turtle Dove, Hab. British Islands ; male and female, presented by C. J. Wallace, Esq., 22nd September, 1887.

72. *Ocyphaps lophotes*, Crested Pigeon, Hab. Australia ; 6, purchased 22nd September 1887.

73. *Calœnas nicobarica*, Nicobar Pigeon, Hab. Indian Archipelago ; 2, purchased 22nd September, 1887.

ORDER XIII. GALLINÆ.

SUB-FAMILY IV. PHASIANINE.

74. *Phasianus colchicus*, Pheasant, Hab. British Islands ; male and female,

purchased 22nd February, 1885; male, presented by Dr. Traill, 24th April, 1887.

75. *Thaumalea picta*, Golden Pheasant, Hab. China; cock presented by H. M. Barton, Esq., 31st January, 1885; 1 Hybrid, between this species and *Thaumalea amheritiæ*, purchased 22nd February, 1885; 5 cocks, presented by Francis Norman, Esq., December, 1887.

76. *Euplocamus nycthemerus*, Silver Pheasant, Hab. China; 3 hens, presented by Major Irwin, 22nd September, 1881; cock and hen, presented by Charles J. Wallace, Esq., May, 1886.

77. *Gallophasis Melanotus*, presented by A. C. Courtney, Esq.

SUB-FAMILY V. PAVONIÆ.

78. *Pavo cristatus*, Common Peafowl, Hab. India; 3 males, purchased 22nd July, 1886.

FAMILY CRACIDÆ. SUB-FAMILY I. CRACINÆ.

79. *Crax alector*, Crested Curassow, Hab. Guiana; purchased 6th September, 1883.

SUB-FAMILY II. PENELOPINÆ.

80. *Ortalis sp.* Guan, Hab. S. America; purchased 23rd June, 1881.

ORDER XVI. FULICARIÆ.

FAMILY RALLIDÆ.

81. *Porphyrio cæruleus*, Purple Gallinule, Hab. South Western Europe; 2, presented by Dr. Nixon, 22nd September, 1887.

ORDER XIX. GARCIÆ.

FAMILY LARIDÆ.

82. *Larus argentatus*, Herring Gull, Hab. Europe; presented by Dr. P. T. Abraham, October 30th, 1884.

CLASS REPTILIA—ORDER TESTUDINATA.

FAMILY EMYDIDÆ.

1. *Emys Europæa*, European Pond Tortise, Hab. Europe.

ORDER CROCODILIA.

FAMILY CROCODILIDÆ.

2. *Alligator Mississippiensis*, Alligator, Hab. Mississippi; purchased 25th October, 1883; presented by Major G. Healy, 3rd June, 1886; presented by Walter Gape, Esq., September 23rd, 1886; presented by E. V. Selfe, Esq., 18th August, 1887.

ORDER SAURIA.

FAMILY SPHENODONTIDÆ.

3. *Sphenodon punctatus*, Tuatera Lizard, Hab. New Zealand; presented by Professor Haddon, 1887.

ORDER OPHIDIA.

FAMILY BOIDÆ.

4. *Python sp.*, Hab. Africa; presented by Dr. Harte, 13th July, 1882.

Family Colubridæ.

Genus Tropidonotus.

4. *Tropidonotus natrix*, Common Snake, Hab. British Islands; 1, presented by Mrs. Cooper, 18th August, 1887; 5, deposited by S. K. Twigg, Esq., 1887.

Class Pisces.

Family Percidæ.

1. *Perca fluviatilis*, Common Perch, Hab. British Waters.

Family Gobiidæ.

2. *Gobius Niger*, Black Goby, Hab. British Seas.
3. *Gobius minutus*, Freckled Goby, Hab. British Seas

Family Salmonidæ.

4. *Salmo fario*, Common Trout, Hab. British fresh water.

Family Esocidæ.

5. *Esox lucius*, Pike, Hab. British waters.

Family Cyprinidæ.

6. *Gobio fluviatilis*, Common Gudgeon, Hab. British fresh waters.
7. *Leuciscus entitus*, Roach, Hab. British fresh waters.
8. *Leuciscus phoxinus*, Minnow, Hab. British fresh waters.
9. *Tenca vulgaris*, Common Tench, Hab. British fresh waters.

Family Murœnideæ.

10. *Anguilla vulgaris*, Common Eel, Hab. British fresh waters.

RETURN OF ANIMALS ACQUIRED

BY THE

Royal Zoological Society of Ireland

DURING THE YEAR 1887.

PRESENTATIONS.

DATE	ANIMALS	PRESENTED BY
Jan. 13	1 Angolan Vulture, *Gypohierax angolensis*, Hab. West Africa	Surgeon F. W. Sullivan, Greenmount, Navan
Jan. 20	1 Marsh Harrier, *Circus æruginosus*, Hab. Europe	T. C. Carter, Esq., D.I., R.I.C., Tullamore
Jan. 20	1 Macaque Monkey, *Macacus cynomolgus*, Hab. Java	Dr. Maguire, Castleknock, Co. Dublin
Feb. 3	1 Gryfalcon, *Falco gyrfalco*, Hab. Nth. Europe	Dr. G. Hatchell, District Asylum, Letterkenny
Feb. 3	1 Fox, *Canis vulpes*, Hab. British Islands	Dr. Stoney, The Heath, Abbeyleix
Feb. 10	1 Fox, *Canis vulpes*, Hab. British Islands	Lord Kildare, Kilkea Castle, Mageney
Feb. 17	1 Bonnet Monkey, *Macacus sinicus*, Hab. Continental India	J. Engelbach, Esq., Duncarin, Bray
Mar. 3	1 Hybrid, (Common Hen and Pheasant)	Col. Caulfield, Dublin Castle
April 21	1 Pheasant, *Phasianus colchicus*, Hab. British Islands	Dr. A. Traill, Trinity College
April 28	1 Badger, *Meles taxus*, Hab. British Islands	A. More O'Farrell, Esq., Balyna, Enfield
May 12	2 Otters, *Lutra vulgaris*, Hab. British Islands	Captain A. P. Boxer, Irish Lights Office
May 12	1 Badger, *Meles taxus*, Hab. British Islands	A. More O'Farrell, Esq., Enfield
June 9	1 Macaque Monkey, *Macacus cynomolgus*, Hab. Java	E. H. Bennett, Esq., M.D., 26 Lr. Fitzwilliam-street
June 16	1 Peregrine Falcon, *Falco peregrinus*, Hab. Europe	Lord Powerscourt, Powerscourt, Enniskerry
June 16	1 Great billed Rhea, *Rhea macrorhyncha*, Hab. Brazil	The Duke of Abercorn
June 16	1 Bonnet Monkey, *Macacus sinicus*	Wm. Powell, Esq., Hengler's Cirque
June 23	1 Long Eared Owl, *Asio otus*, Hab. Europe	Master Alex. Parker Keene, Castlegrange, Co. Wicklow
June 23	6 Bernicle Geese, *Bernicla leucopsis*, Hab. Europe	Board of Works
June 23	1 Dusky Duck, *Anas obscura*, Hab. North America	Board of Works

DATE	ANIMALS.	PRESENTED BY
July 14—	3 Merlins, *Falco æsalon*, Hab. Europe	Captain Boxer, Irish Lights
„ „ —	2 Guillemots, *Lomvia troile*, Hab. British Isles	
July 21—	1 Alligator, *Alligator mississippiensis*, Hab. Mississippi	Chas. E. Weldon, Esq., 7 Brestal Gardens, Maiden Vale, London
July 21—	5 Puffins, *Fratercula arctica*, Hab, British Islands	Captain Boxer, Irish Lights
„ „ —	2 Herring-Gulls, *Larus argentatus*, Hab. Europe	
July 21—	2 Waxbills, *Estrelda temporalis*, Hab. Australia	Miss Mulroney, Hazel Wood, Dundrum
July 21—	2 Buzzards, *Buteo vulgaris*, Hab. Europe	J. Fowler Cookson, Esq. 9 Guildhall-st., Preston
Aug. 18—	1 Alligator, *Alligator mississippiensis*, Hab. Mississippi	E V. Selfe, Esq., Prospect Lodge, Glasnevin
Aug. 18—	1 Common Snake, *Tropidontus natrix*, Hab. British Islands	Mrs. Cooper, Longford Loope, Kingstown
April 25—	2 Short-eared Owls, *Asio brachyotus*, Hab. Europe, Asia, Africa and America	Lord Maurice Fitzgerald, Johnstown Castle, Co. Wexford
Sept. 1—	2 Common Hares, *Lepus europæus*, Hab. British Islands	
Sept. 8—	2 Moustache Monkeys, *Cercopithecus cephus*, Hab. West Africa	Dr. H. B. Goulding, Kensington House, Brighton Avenue, Rathgar
Sept. 15—	1 Rhesus Monkey, *Macacus rhesus*, Hab. Continental India	R. J. Murphy, Esq., Wood Park, Glenageary
Sept. 15—	1 Green Parrakeet, *Brotogerys tiriacula*, Hab. South America	Wm. Williamson, Esq., 18 James'-street
Sept. 22—	2 Purple Gallinule, *Porphyrio cœruleus*, Hab. South W. Europe and Algeria	Dr. Nixon, 2 Merrion Square
Sept. 22—	2 Turtle Doves, *Turtur communis*, Hab. British Islands	C. J. Wallace, Esq., Belfield, Donnybrook
Oct. 6—	1 Kestrel, *Tinnunculus alaudarius*, Hab. British Islands	J. Donnell, Esq., 6 Rehoboth-place, Sth. Circular-road
Oct. 20—	1 Red Deer, *Cervus elaphus*, Hab. Europe	Lord Howth
Nov. 10—	1 Fallow Deer. *Dama vulgaris*, Hab. Europe	Board of Works
Nov. 10 —	1 Kestrel, *Tinnunculus alaudarius*, Hab. British Islands	J. Donnell, Esq., Rehoboth Reformatory, South Circular-road
Nov. 24—	1 Bonnet Monkey, *Macacus Sinicus*, Hab. Continental India	D. W. Porter, Esq., 3 Upper Sackville-st.
Dec. 1—	1 Golden Eagle, *Aquila chrysaetus*, Hab. Europe and North America	Queen's College, Galway, through J. W. Moffett, Esq., LL.D.

DATE	ANIMALS	PRESENTED BY
Dec. 8—	1 Rhesus Monkey, *Macacus rhesus*, Hab. Continental India	Mrs. Briscoe, Ballinter, Co. Meath
Dec. 8—	1 Sheldrake, *Tadorna vulpanser*, Hab. Europe	Captain Boxer, Irish Lights

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ANIMALS PURCHASED

DATE	
Mar. 17—	8 Pochards. *Fuligula ferina*, Hab. Europe
„ 17—	8 Wigeons, *Mareca penelope*, Hab. Europe
April 7—	2 Chacma Baboons, *Cynocephalus porcarius*, Hab. South Africa
„ 7—	2 Mona Monkeys, *Cercopithecus mona*, Hab. West Africa
„ 7—	2 Moustache Monkeys, *Cercopithecus cephus*. Hab. West Africa
„ 7—	2 Sooty Mangabeys, *Cercocebus fuliginosus*, Hab. West Africa
May 5—	1 Yak, *Poephagus grunniens*, Hab. Tibet
„ 5—	20 Indian Tree Ducks, *Dendrocygna javanica*, Hab. India
„ 19—	1 Diana Monkey, *Cercopithecus diana*, Hab. West Africa
„ 19—	1 White-nosed Monkey, *Cercopithecus petaurista*, Hab. West Africa
„ 26—	2 Brush-tailed Kangaroos, *Petrogale penicillata*, Hab. New South Wales
June 2—	1 Ringtailed Lemur, *Lemur catta*, Hab. Madagascar
July 14—	2 Moose Deer, *Alces machlis*, Hab. Northern Europe and North America
„ 14—	2 Ocelots, *Felis pardalis*. Hab. America
„ 14—	2 Civet Cats, *Viverra civetta*, Hab. Africa
„ 14—	1 Emu, *Dromœus novæ-hollandiæ*, Hab. Australia
„ 14—	1 Serval, *Felis serval*, Hab. Africa
„ 21—	1 Kangaroo, *Macropus major*, Hab. Australia
„ 28—	1 Mona Monkey, *Cercopithecus mona*, Hab. West Africa
Aug. 18—	1 Grivet Monkey, *Cercopithecus griseo-viridis*, Hab. North-East Africa
„ 18—	1 Bonnet Monkey, *Macacus sinicus*, Hab. Continental India
Sept. 1—	1 Pine Marten, *Mustela martes*, Hab. British Islands
„ 1—	1 Green Monkey, *Cercopithecus callitrichus*, Hab. West Africa
„ 1—	1 Seal, *Phoca vitulina*, Hab. British Seas
„ 8—	4 Common Sheldrakes, *Tadorna vulpanser*, Hab. Europe
„ 8—	4 Garganey Teal, *Querquedula circia*, Hab. Europe
„ 8—	2 Eagle Owls, *Bubo maximus*, Hab. Europe and North Asia
„ 8—	2 Indian Antelopes, *Antelope cervicapra*, Hab. India
„ 8—	1 Axis Deer, *Cervus axis*, Hab. India
„ 8—	3 Racoon-like Dogs, *Canis procynides*, Hab. North Eastern Asia
„ 8—	1 Sloth Bear, *Melursus ursinus*, Hab. India
„ 8—	1 Hyacinthine Macaw, *Ara hyacinthina*, Hab. Northern Brazil
„ 8—	1 Green Macaw
„ 8—	2 King Parrakeets, *Aprosmictus scapulatus*, Hab. New South Wales
„ 8—	6 Crested Pigeons, *Ocyphaps lophotes*, Hab. Australia
„ 8—	2 Nicobar Pigeons, *Calœnas nicobarica*, Hab. Indian Archipelago

DATE ANIMALS PURCHASED—*continued.*

,, 8— 4 Toucans, *Rhamphastos ariel.*
,, 8—24 Grass Parrakeets, *Melopsittacus undulatus*, Hab. Australia
,, 8— 3 Australian Sacred Ibis, *Ibis strictipennis*, Hab. Australia
,, 29— 1 Diana Monkey, *Cercopithecus diana*, Hab. West Africa
,, 29— 1 Vervet Monkey, *Cercopithecus lalandii*, Hab. South Africa
,, 29— 3 Seals, *Phoca vitulina*, Hab. British Isles
Oct. 13— 2 Indian Antelopes, *Antilope cervicapra*, Hab. India
,, 13— 1 Coypu, *Myopotamus coypus*, Hab. South America
,, 13— 1 Suricate, *Suricata tetradactyla*, Hab. South Africa
,, 13— 1 Cynictis, *Cynictis penicillata*, Hab. South Africa
,, 13— 1 Seal, *Phoca vitulina*, Hab. British Seas
,, 13— 2 Barking Deer, *Cervulus muntjac*, India
Nov. 17— 1 Seal, *Phoca vitulina*, Hab. British Seas
,, 17— 1 Mandrill, *Cynocephalus mormon*, Hab. West Africa
,, 17— 1 Sooty Mangabey, *Cercocebus fuliginosus*. Hab. West Africa
,, 17— 1 Mona Monkey, *Cercopithecus mona*, Hab. West Africa
,, 24— 1 Seal, *Phoca vitulina*, Hab. British Seas

ANIMALS BORN IN THE GARDENS DURING THE YEAR 1887.

DATE

June 9— 1 Llama, *Lama peruana*, Hab. Peru
June 9— 6 Swans, *Cygnus olor*, Hab. Europe
July 21— 1 Llama, *Lama peruana*, Hab. Peru
Aug. 5— 4 Lions, *Felis leo*, all males (Queen's cubs), Hab. Africa and South Western Asia
Aug. 8— 1 Brush-tailed Kangaroo, *Petrogale penicillata*, Hab. New South Wales
Sept. 1— 6 Common Hares, *Lepus europæus*, Hab. British Islands

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ANIMALS ON DEPOSIT.

DATE.		DEPOSITED BY
1884.		
June 12—1	Great Sulphur-Crested Cockatoo, *Cacatua galerita*, Hab. Australia	The Rev. S. J Whitmee, Leinster-sq., Rathmines
1887.		
	4 Common Snakes, *Tropidonotus natrix*, Hab. British Islands	Saml. Knox Twigg, Esq. 5 Bachelors'-walk
	3 Golden Pheasants, *Thaumalea picta*, Hab. China	Francis Norman, Esq. 16 Granby-row,

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Story, J. B., M.B., 24 Lower Baggot-street
* Sugrue, Charles I. H., 4 Belvidere-place
* Sullivan, Prof. W. K., President Queen's College, Cork
Swan, J. Percival, 58 Lower Dominick-street
Swanzy, H. R., M.D., Merrion-square, north
Tichborne, C. R. C., 15 North Great George's-street
* Tickell, George, J.P., 18 Mary-street
* Thompson, H. Yates, Ennismore Gardens, Prince's Gate, London
Thompson, R. Wade, Clonskeagh Castle, County Dublin
* Toole, Charles, D'Olier-street
* Townshend, Charles Uniacke, J.P., 10 Burlington-road
* Traill, Anthony, LL.D., F.T.C.D., Trinity College
Turner, Colonel, A.E., R.M.
Turbett, Robert E., 3 Bachelor's-walk
Twigg, S. Knox., 5 Bachelor's-walk
Tweedy, Henry, M.D., Gardiner's-row
Vance, Thomas, J.P., 9 Bridge-street
* Vandeleur, Colonel C. Moore, Kilrush House, Kilrush
Wallace, Charles J., Belfield, Booterstown
Waller, A. G., Denzille-street
Waller, Edmund W., Brewery, James's-gate
Walpole, George, 8 Suffolk-street
Walpole, Edward, 8 Suffolk-street
Walsh, Rev. J. H., D.D., 10 Herbert-street
Wardell, J. D., 40 Leeson-street
* Warren, Robert, J.P., 40 Rutland-square
Waterhouse, H. A., Clermont, Killiney
Waterhouse, Samuel, 25 Dame-street
Webb, John, Ardkill, Killiney
West, Langley A., Shanganagh Grove, Ballybrack

Westby, E. P., Roebuck Castle, Dundrum
Westby, Francis P., Roebuck Castle, Dundrum
White, Henry Bantry, M.E., Ballinguile, Donnybrook
✠ White, R. Blair, 54 Upper Leeson-street
✠ White, William G., 18, Elgin-road
Whitestone, Berkeley E., 57 Northumberland-road
✠ Whitty, John Irwin, LL.D.
Whyte, N. C., M.D., 5 Grosvenor-road, Rathmines
✠ Whyte, William, George's-hill, Balbriggan
Wigham, Henry, 33 Capel-street
Wigham, J. R., J.P., Albany House, Monkstown
Williams, Edward, Dame-street
✠ Williams, J. E., R.A.
Williams, R. P., 38 Dame-street
Wilson, George Orr, Dunardagh, Blackrock
✠ Wilson, W. H., 59 Pembroke-road
Wilson, W. Wesley, C.E., Eden Vale, Conyngham-road
Wilson, James, LL.B., 65 Fitzwilliam-square, north
Winstanley, Alderman James, J.P., Drummartin House, Dundrum
Woodlock, William, 15 Mountjoy-square
Wright, Joseph
Wybrants, William Geale, 45 Raglan-road
✠ Yeates, Stephen, 2 Grafton-street

GARDEN SUBSCRIBERS.

Allen, Charles, North Frederick-street
Arnott, D. T., *Irish Times* Office
Bere, G. H., Phœnix Glen Lodge, Conyngham-road
Bird, H. L., 22 Hatch-street
Black, Gibson, Blackheath, Clontarf
Blyth, Mrs., The Slopes, Kingstown
Boyd, Hon. Judge, 66 Merrion-square, south
Brien, J. W., Wilton House, Wilton-place
Brown, Walter, Oakley Park, Blackrock
Bruce, Wm. R., Master of the Queen's Bench, Woodbrook, Bray
Caraher, Edward, 62 Lower Gardiner-street
Carnegie, J. D., J.P., Bray
Carton, Richard Paul, Q.C., 35 Rutland-square, west
Clifton, Ralph, Anchor Brewery, Usher-street
Cockle, George J., 55 Northumberland-road
Connor, Rev. Richard J. M., F.T.C.D., 63 Lower Leeson-street
Day, Surgeon J., Royal Barracks
Dickinson, Rev. John A., Steevens' Hospital
Donnelly, J., Everton, Cabra
Doyle, J. P., 72 Lower Mount-street
Edmondson, Mrs., Foxrock
Elvidge, George, 53 Drumcondra-road
Ferguson, Robert F., 49 Upper Mount-street
Finny, J. Magee, M.D., 19 Lower Baggot-street
Forster, Lady, 63 Fitzwilliam-square, north
Foster, Rev. Robert, Royal Hibernian Military School
Franks, Thomas C., 35 Northumberland-road
Fuller, Rev. A. S., 7 Fitzwilliam-place
Furlong, R. O'B., Clonevan, Killiney
Garland, E., 9 Belfast-terrace
Goodbody, Thomas P., 57 Leeson Park
Green, James S., Q.C., 83 Lower Leeson-street
Gibson, Rev. Thomas B., King's Hospital, Blackhall-place
Halpin, Joseph, Gowran Hall, Kingstown
Harrison, R. J., 13 Gardiner's-place
Hurford, J., Montpellier Hill
Henderson, A., Q.C., 60 Mountjoy-square
Hopkins, Nicholas, 80 Grafton-street
Irwin, Samuel, 33 Rutland-square
Ivatt, H. A., Mount Vernon, Inchicore
Jameson, Andrew, Knockmaroon House, Castleknock
Johnson, E. P., 38 Upper Mount-street
Jones, Percival, 11 Eblana-terrace, North Circular-road
Keys, George, 61 Eccles-street
Knox, Mrs. L. E., 53 Fitzwilliam-square
Lane, J. B., 32 Lower Leeson-street
Lawlor, William, 50 Abbey-street
Leonard, J., 2 Montrose, Cabra-road
Little, Mrs., 14 St. Stephen's-green
Long, Francis P., 29 Upper Baggot-street
Lynch, S. J., J.P., 24 Clyde-road

Macrory, H. J., 31 Rutland-square
Malone, Alfred, 14 Appian-way
Matthews, George E., 49 Upper Sackville-street
Martin, Rev. G., 4 Burlington-road
Meath, Right Hon. Earl of, Kilruddery, Bray
Merry, James, St. Michael's, Booterstown
Miller, Edward, 25 Parkgate-street
Milner, J. K., Cherbury, Booterstown
Molloy, John J., 55 Harcourt-street
Monahan, Rev. James H., D.D., 44 Rutland-square, west
Montgomery, Robert, M.D., 4 Gardiner's-row
Moore, Mrs., 78 Merrion-square
Moore, Mrs., 32 Upper Mount-street
Moriarty, J. F., Merrion-square
Morris, Right Hon. Lord Chief Justice, Sir M., Bart., 2 Fitzwilliam-pl.
Morton, Colonel, 2 Belfast-terrace, North Circular-road
Maxwell, J. M., 37 North Great George's-street
Murray, Mrs., 3 Upper Prince Edward-terrace, Blackrock
Mahaffy, Rev. G., 2 Belfast-terrace, North Circular-road
Naish, John, Right Hon. Justice, 65 Mountjoy-square
Newland, G. E., Commandant, Royal Irish Constabulary
Nolan, Wm. R., 24 Nassau-street
Nugent, Michael, 36 Essex-street
Nash, T. J., Lucan
O'Connor, Rev. William, T.C.D.
O'Keeffe, Edward, Mill-street
O'Neill, Mrs., 75 Wodehouse-terrace, North Circular-road
Orpin, John, 47 Stephen's-green, east
Palmer, Mrs., 69 Mountjoy-square
Patterson, B. T.
Perrin, Richard, 50 Lower Sackville-street
Perry, George, 11 Grafton-street
Porter, Right Hon. A. M., Master of the Rolls, 42 Merrion-square
Ross, William, 66 North-wall
Scott, Wm., 2 Lower Sackville-street
Shew, B., 97 Marlborough-road, Donnybrook
Smyth, M. J., 21 Palmerston Park
Smyth, C. J., 40 Leeson-park
Spence, Wm. 109 Cork-street
Spring, James, 65 Eccles-street
Stanley, W. B., 23 Lower Fitzwilliam-street
Staunton, P. M., 23 Pembroke-road
Stavely, John H., 6 Hardwicke-place
Stewart, Mrs. Anne, Beechwood, Dalkey
Symms, William, 31 Dame-street
Walpole, Thomas, 56 North-wall
Warren, Right Hon. Judge, 12 Fitzwilliam-square, east
Weir, James, Blackrock
Wharton, Dr., 28 Upper Merrion-street

BRITISH MUSEUM NATURAL HISTORY

21 MAR. 1906

THE FIFTY-SEVENTH

ANNUAL REPORT

OF

The Royal Zoological Society

OF IRELAND,

FOR THE YEAR ENDED 31ST DECEMBER,

1888.

DUBLIN:
BROWNE AND NOLAN, PRINTERS, NASSAU-STREET
1889.

OFFICERS AND COUNCIL, 31st JANUARY, 1889.

PATRONESS.

HER MAJESTY THE QUEEN.

EX-PRESIDENTS.

VISCOUNT POWERSCOURT, K.P.
EARL SPENCER, K.G.
J. W. MURLAND.

PRESIDENT.

HAUGHTON, REV. S.

VICE-PRESIDENTS.

CARTE, W.
CUNNINGHAM, D. J.
PEEBLES, W. E.
NEDLEY, F.
TOWNSHEND, C. U.

SECRETARY.

BALL, V.

TREASURER.

BARTON, H. M.

COUNCIL.

BALL, R. S.
FINDLATER, W.
FITZGERALD, E.
GORDON, S. T.
HOGG, J.
HUTTON, T. M.
LALOR, J. J.
LENTAIGNE, J. N.
LLOYD, J. R.
MACDONNELL, R.
MACAN, A. V.
REEVES, R.
ROBERTS, S. U.
TRAILL, A.
WIGHAM, J. R.

Laws and Regulations

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

Chapter I.—THE CONSTITUTION.

1. The Society consists of Ordinary Members and Honorary Members.

2. The Officers shall be chosen from amongst the Ordinary Members, and shall be—

A President,
Five Vice-Presidents,
A Secretary, and
A Treasurer,

who, together with fifteen other Ordinary Members of the Society, shall constitute the Council.

3. The Officers and Council for each year shall be elected at the Annual General Meeting of the Society.

4. But in case any Officer, or other Member of the Council shall die or resign, the Council may appoint a Member to supply his place until the next Annual Meeting.

Chapter II.—THE MEMBERS.

1. Every person wishing to become a Member of the Society must be proposed in writing to the Council, by one Member of Council, and seconded by another; and upon election and payment of his admission fee, such person shall be a Member of the Society.

2. But he shall not exercise the privileges of a Member until his first year's subscription is paid in advance.

3. The Admission Fee shall be *One Pound*, the Annual Subscription *One Pound*, and the Composition for life in lieu thereof, *Ten Pounds*.

4. The Annual Subscription shall be due on the first of January in each year, and shall be payable in advance.

5. If the Subscription of any Member is not paid within one year after it is due, he shall cease to be a Member until he shall have paid up his arrears.

6. No person becoming a Member after the first day of October in any year, shall be liable for the Subscription for that year.

7. No person shall exercise the privileges of a Member until he shall have paid his Subscription for the current year.

8. Ladies may be admitted as Members upon the same terms, and with the same privileges, as gentlemen.

9. Members of the Society, and such Members of their families as are *boni fide* resident with them, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and in the case of children of Members, the name of the person in charge of them being also signed.

Chapter III.—HONORARY MEMBERS.

1. Distinguished persons may be elected Honorary Members without annual or other payment, by a vote of the Society, at any of its Meetings, upon the previous recommendation of the Council.

2. Honorary Members shall have the same privileges as other Members, except that of voting at the Meeting.

3. The number of Honorary Members shall be limited to twenty.

Chapter IV.—THE OFFICERS.

The President.

1. The President shall preside at all Meetings of the Society and Council, when present, and shall generally superintend the affairs of the Society.

2. The same person shall not be President for more than five successive years.

3. Ex-Presidents shall continue to be Honorary Members of Council.

Vice-Presidents.

1. Of the five Vice-Presidents, two at least shall go out at each election, but this shall not prevent their continuing Members of Council in another capacity.

2. The Vice-Presidents shall supply the place of the President in his absence.

The Secretary.

It shall be the duty of the Secretary to see to the execution of the rules, orders, and directions of the Society and Council.

The Treasurer.

No money shall be paid by the Treasurer, except upon the written order of the Council, signed by at least three of its Members.

Chapter V.—THE COUNCIL.

1. Three Members shall form a Quorum.

2. The Council shall meet at such times as they themselves shall determine.

3. It shall be the duty of the Council to conduct the business of the Society, subject to the laws and regulations of the Society at large.

4. All questions shall be decided by the majority of voices; and where the numbers are equal, the Chairman shall have a casting voice; but he shall not vote except in such case.

5. The Council may summon a Meeting of the Society for scientific purposes whenever they think fit, stating the object of such Meeting; and at such Meeting no business but that stated in the notice shall be discussed.

6. At least three of the Council shall go out at each election.

7. No member of the Society having any contract with the Society or Council for which payment is to be made, shall be eligible to a seat in the Council in any capacity; and if the name of any member of the Society having a contract with the Society, or receiving and fee or emolument from the Society, shall be found in the Ballot that name shall be set aside by the Chairman, notwithstanding any number of votes that may be appended to it; and if any Member or Officer of the Council enter into any contract with the Society, or receive from it any fee, payment, or emolument, his seat shall become *ipso facto* vacant in the Council, and the Council shall immediately summon a Meeting of the Society, to elect a member to the vacant place.

Chapter VI.—ANNUAL MEETING.

The Annual Meeting shall be held on the last Tuesday in January in each year, for the purpose of electing the Council and Officers for the ensuing year, and of hearing the Report of the Council read, and auditing the Accounts.

Election of Officers.

1. The Council for the time being shall annually cause to be prepared a list of persons whom they recommend to be Officers and Council for the ensuing year.

2. The list shall distinguish the three or more Members proposed to be removed, and the three or more proposed to be elected in their room, and it shall be transmitted to each Member residing in Dublin by post, along with the notice of the time and place of the General Meeting, to be sent at least seven days before the day of Meeting.

3. The Chair shall be taken at four o'clock, when the Ballot shall commence and continue open for one hour, at the expiration of which time the Chairman shall proclaim that the time had arrived when the ballot shall close, and order the porter not to admit any other Members into the room, and then the Chairman shall call on the Members in the room who have not balloted to come forward and ballot, and the scrutiny shall forthwith take place; and those persons to whose names the greater number of marks shall have been affixed shall be declared duly elected in the order and places in which they stand, provided at least three new Members be elected, but if not, then these of the proposed Members who have the least number of marks shall be rejected, until at least three former Members are excluded, and their places shall be filled by those who have the next greatest number of marks.

4. If two or more names have the same number of marks, the order of preference shall be decided by lot.

General Business.

1. No motion respecting a change in the laws or constitution of the Society shall be discussed or voted upon at the Annual or other meeting, except as hereafter provided, unless notice thereof be given in writing to the Council, at least one month before such meeting; the Council to give seven days' notice to the Members, as before ordered.

2. But the Council may propose, and bring to the vote, any measure or question, at any of the Meetings of the Society, provided it shall have been under their consideration for at least one month, and that notice thereof be given to the Members in the circular notice of such Meeting, at least seven days previous to the day of Meeting

Chapter VII.—THE GARDENS.

1. Any person enrolling his name in a book kept at the gate of the Gardens, and paying One Pound a-year, shall be a Subscriber, and shall have the same privileges of ingress to the Gardens, as a Member of the Society.

2. The Council shall have the power of suspending all rights of free entrance to the Gardens upon the day of a public fete, or similar occasion, when such shall be given for the benefit of the Society.

3. During frost, the Council shall have power to suspend all privileges of Members and Garden Subscribers, except that of personal admission.

4. The Council shall have power from time to time to vary, as may seem fit to them, the rates of admission to non-subscribers.

ANNUAL MEETING.

The Annual Meeting of the Members of the Society, for the purpose of electing the Officers and Council, and other business, was held in the King and Queen's College of Physicians, on Tuesday, the 29th of January, at Four o'clock, P.M.

REPORT OF COUNCIL

During the year 1888, the number of Visitors to the Gardens, and the receipts at the entrance gate, were as follows:—

			Admissions in 1887.				Admissions in 1888.			
Members			7,297				7,558			
Public Institutions			2,915				3,517			
Members' Tickets			153				42			
	s.	d.		£	s	d.		£	s.	d.
Visitors at	2	6								
Do „	1	0	7,462	373	2	0	7,785	389	5	0
Do „	0	6	10,429	260	14	6	9,476	236	8	0
Do „	0	3	3,151	39	7	9	2,837	35	9	3
Schools „	0	3								
Visitors „	0	2	45,707	380	17	10	46,165	384	14	2
Do „	0	1	11,243	46	16	11	10,630	44	5	10
			88,357	£1,100	19	0	88,010	£1,090	2	3

The total number of Visitors and receipts at gate during the past ten years have been, as follows:—

Year.	Visitors.	Receipts.		
1879	103,155	£1,298	1	5
1880	112,727	1,353	19	9
1881	120,787	1,439	14	5
1882	125,598	1,611	18	10
1883	105,479	1,447	7	3
1884	114,845	1,619	11	3
1885	110,687	1,291	15	4
1886	92,809	1,132	13	2
1887	88,357	1,100	19	0
1888	88,010	1,090	2	3

During the corresponding years the total receipts from Entrance Fees and Subscriptions, were :—

Year.				Entrance Fees and Subscriptions
1878	...	..	...	£580
1879	...	...	...	551
1880	...	..	...	531
1881	...	...	...	724
1882	..	...	...	723
1883	...	...	...	416
1884	...	..	...	466
1885	...	..	...	438
1886	...	...	...	460
1887	...	...	...	361
1888	Life Members (1)	£10 0 0		
	Admission Fees (5)	5 0 0		
	Members' Subscriptions	262 1 0		
	Garden Subscribers	26 0 0		
				303 1 0

The receipts from Sunday admissions, during the past ten years, have been :—

1879	...	...	...	£467 13 5
1880	...	...	...	539 3 3
1881	..	...	...	524 0 11
1882	..	...	...	573 19 7
1883	...	..	...	442 9 0
1884	...	...	...	510 3 0
1885	...	...	...	538 10 6
1886	...	...	...	477 10 5
1887	..	...	..	427 14 9
1888	...	...	...	429 0 0

The above figures show a loss of income during the past twelve months, which is to be attributed to the absence of frost at the beginning and end of the year, and the general inclemency of the Summer.

Despite this fact it will, no doubt, gratify the Society to learn that the Gardens have never at any time in their past career been in a condition of greater general efficiency than they are at present, and that the stock of animals is large and valuable, while the condition

and arrangement of the houses have been much improved.

Herbivore House.—During the year a transfer of trust funds which were in the hands of the surviving trustees of the late Natural History Society of Dublin, was made to this Society on the express condition that the whole sum should be expended on the erection of a Herbivore house.

The sum transferred amounted to about £300, and has all been expended in accordance with the above-named condition. In order, however, to make the house of sufficient size for the purpose for which it was intended, a further expenditure of £100 has had to be incurred, and an additional sum of money will be required to stock it with Deer and Antelope.

As this house will form a very important addition to the attractions of the Gardens, the Council felt that in consideration of the unavoidable pressure on the ordinary income of the Society for the current year, it was desirable that an effort should be made to raise a special fund, so that during the year it may be able to spend the surplus of income over cost of maintenance on ordinary improvements and purchase of animals.

Under these circumstances it was resolved by the Council to make a special appeal to the public for additional funds, and the Royal Dublin Society generously responded by offering to subscribe £100 for the purpose. The Council of the Zoological Society accepted this offer, with the addition of the self-imposed condition, that the other subscriptions to the general fund should exceed the sum offered by the Royal Dublin Society. Many contributions have been already received and your Council hope that the new year may be started free from all debt and with funds in hand.

Lions.—During the past year frequent enquires were made for our well-known breed of lions although from all directions reports come of the large number of lions

now being bred in Europe. The prices offered were, however, not considered sufficient, and a prolonged negociation for the sale of the four young lions, aged nearly eighteen months, was only concluded at the commencement of the current year.

The price which was obtained must under all the circumstances of the case be considered satisfactory, and most decidedly remunerative, especially when it is remembered that these cubs have for twelve months afforded one of the most attractive sights in the gardens.

Their removal permits the promotion to their den of two cubs of the last litter, namely, Queen's, which were born on the 21st June last.

During the current year it is intended to make an effort to obtain lion-tiger hybrids. It is probable that they would prove to be readily saleable on account of their great rarity. During the next twelve months we shall probably be able to say how far the experiment is likely to be successful.

The present stock of lions stands as follows :—

Lion "Paddy," born 9th October, 1879	1
Lioness "Minnie," bought 2nd February, 1883	1
Lioness "Queen," bought 2nd February, 1883	1
Lioness Cub (Minnie's), born 24th October, 1886	1
Lion Cub (Queen's), born 6th November, 1886	1
Lion and Lioness Cubs (Queen's), born 1888	2
	7

There have now been 143 lions belonging to 38 litters born in the Gardens since 1857, namely, 81 males, 61 females, and 1 of which the sex was not recorded. Out of the last 20, but one died, or rather had to be drowned, four are in stock, and 15 have been sold. The method of feeding and rearing which is adopted may be said to have fully exterminated all trace of rickets from the stock. Thus our experience has been very different from that of the Regent's Park Gardens as set forth in a recent paper by Dr. Cheadle in the *British Medical*

Journal. He states that young animals are extremely liable to become rachitic there, and with the exception of a single litter of cubs reared by the mother some years ago, up to last year, the cubs belonging to more than 20 litters all died. Last year's cubs were reared by hand, as is described by Dr. Cheadle. We are under the impression that the lioness which proved so exceptionally good a mother was one which was sold to the Regent's Park Gardens from our stock, when in cub, in the year 1872.

Suggested Improvements.—The suggestions which are sometimes made with reference to increasing the attractions of the Gardens, and thereby, as it is urged, adding to our income, may, in general, be classed under two heads, the first and simpler of which is the holding band performances, at more or less frequent intervals. The suggestion is not new, in fact the experiment has often been tried in past years, with the result that on adding together the receipts from all the performances held in a single season, there has been a deficit when all expenses have been defrayed. Hence the Council has been compelled to discontinue such band performances on account of the loss they entailed.

The second class of suggestions refer to the special attractions and entertainments by which it is asserted that our receipts would be increased and great profit would be gained. The one thing certain is that our liabilities would be vastly increased and that our present staff would be insufficient—nor could it be expected that the troublesome and responsible work in connection therewith would be undertaken by Honorary Officers whose time was otherwise occupied.

Those who make such suggestions should remember that the Gardens receive a large subvention from the Government, and that, in consequence, the Society is not at liberty to change its rules, as if it were a Limited Liability Commercial Company.

The whole constitution of the Society and its sources of maintenance are peculiar if not unique, so that comparisons between its Gardens and others, are, for the most part, completely fallacious. Take the case of the Antwerp Society. The gardens there are in the town, and residents become members as a matter of course. The Society does a large trade in animals which are imported and pass through its hands, while it derives, no doubt, a considerable income from its restaurants.

Similarly it might be shown that the cases of all other Gardens of which we have any information, exist under conditions which are not present here.

Training of the Elephants.—The necessity of obtaining a competent trainer to bring the Elephants under proper control was referred to in last year's report, and accordingly the services of Captain Harrington were secured in June last, with the result that both animals have become amenable to orders, and their market value has been consequently very much increased, which may be taken as a set-off against the heavy cost of training.

Ourang Outang.—The Ourang has now entered on his fourth year of residence in the Gardens, having been acquired in August, 1885, and is in full health and vigour. It may be of interest to add that his weight is now 3 stn. 4 lbs.

During the year the Mechanical Engineers and the Dental Association held their annual meetings in Dublin, and the Council on behalf of the Society issued invitations to the members of both associations, which were largely availed of.

Free admission has been granted to 3,517 children belonging to charity schools, while the pupils of other schools have been admitted on a reduced scale of entrance fee.

ROYAL ZOOLOGICAL SOCIETY OF IRELAND—ACCOUNT FOR YEAR ENDING 31ST DECEMBER, 1888.

1888—Dec. 31. RECEIPTS.		£ s. d.	£ s. d.
Admissions to Gardens—			
Members	7,538		
Public Institutions	3,517		
By Members' Tickets	42		
Visitors at 1s.	7,785	389 5 0	
Do. at 6d.	9,476	236 8 0	
Do. at 3d.	2,837	35 9 3	
Do. at 2d.	46,165	384 14 2	
Do. at 1d.	10,630	44 5 10	
Total	88,010		1,090 2 3
Books of Tickets sold		..	3 0 0
Government Grant—			
One Year to 1st October, 1888		...	500 0 0
Members' Subscriptions		262 1 0	
Garden Subscribers		26 0 0	
			288 1 0
Donations		...	20 0 0
Animals sold		...	3 0 0
Incidental Receipts		...	16 0 1
Balance due to Bank		.	393 15 2
			£2,313 18 6

EXPENDITURE.	£ s. d.
1887—Dec. 31.	
Balance due to Bank per last Account	184 0 9
1888—Dec. 31.	
Purchase of Animals	89 18 4
Provisions for Animals	748 0 7
Printing	28 3 3
Advertisements	3 0 0
Buildings and repairs	67 11 5
Bands	10 10 0
Water Rate	117 18 10
Salaries and Wages	788 10 2
Incidental Expenditure, including Coke, Coal, Gas, Clothing for Men, Collector's Commission, &c.	269 0 4
Bank Interest on Overdraft	7 4 10
	£2,313 18 6

SPECIAL FUND.—IN HANDS OF PRESIDENT AND TREASURER.

			£ s. d.
1887—Dec. 31st	Balance in hands per last Account		56 15 9
1888—Dec. 31st	Member's Life Composition ...	10 0 0	
	New Members' Admission Fees ...	5 0 0	
			15 0 0
,, 21st	Half-year's Dividend on £307 8s. 11d. Government Stock		4 9 11
,, 27th	Proceeds of Sale of £307 8s. 11d. Government Stock granted by the late Natural History Society ...		297 11 8
			£373 17 4

		£ s. d.
1888—Dec. 8th	Draft to Messrs. Goodfellow, Builders, on account of New Herbivore House	300 0 0
,, Dec. 31st	Balance in hands	73 17 4
		£373 17 4

SAMUEL HAUGHTON, *President.*
H. M. BARTON, *Hon. Treasurer.*

I have examined the above Accounts; compared them with Vouchers produced, and find same correct.

10th January, 1889.

H. R. GUINNESS, College-green.

LIST OF ANIMALS LIVING IN THE GARDENS.

DECEMBER, 1888.

Class Mammalia—Order I. Quadrumana.

Family Simiidæ—Genus Simia.

1. *Simia satyrus*, Ourang-Outang, Hab. Sumatra and Borneo; male, purchased 10th August, 1885.

Family Cercopithecidæ. Genus Cercopithecus.

2. *Cercopithecus mona*, Mona Monkey, Hab. West Africa; female purchased April 1881; female presented by Captain Munns, 19th April, 1888.

Genus Cercocebus.

3. *Cercocebus fuliginosus*, Sooty Mangabey, Hab. West Africa; male, presented by Ward Brown, Esq., 20th March, 1878; male, purchased, 17th November, 1887; female, presented by Dr. W. J. Lawler, 15th March, 1888; female, presented, by Dr. Dick, 5th May, 1888.

Genus Macacus.

4. *Macacus cynomolgus*, Egret, Hab. India; male, purchased, 1887; male, presented by Thomas Talbot Power, Esq., 7th December, 1888.

5. *Macacus nemestrinus*, Pig-tailed Monkey, Hab. Java; male, purchased, 6th May, 1887.

6. *Macacus rhesus*, Rhesus Monkey, Hab. Continental India; male, presented by Mrs. Briscoe, 8th December, 1887; male, presented by Sergeant Patrick Hogan, 4th R. I. Fusiliers, 22nd December, 1887; female, presented by J. T. Richardson, Esq., 19th July, 1888; male, presented by J. Hurford, Esq., 14th September, 1888; female, presented by Mitchell Henry, Esq., 4th October, 1888; male, purchased 11th October, 1888.

Genus Cynocephalus.

7. *Cynocephalus porcarius*, Chacma Baboon, Hab. South Africa; purchased 20th October, 1888.

8. *Cynocephalus papio*, Dog-faced Baboon, Hab. Africa; purchased October, 1887.

9. *Cynocephalus mormon*, Mandrill, Hab. West Africa; female, purchased, 17th November, 1887.

10. *Cynocephalus leucophæus*, Drill, Hab. West Africa.

Family Cebidæ—Genus Cebus.

11. *Cebus fatuellus*, Brown Capuchin, Hab. Guiana; male, purchased 3rd September, 1881.

Order II.—Lemuridæ.

Genus Lemur.

12. *Lemur brunneus*, Black-headed Lemur, Hab. Madagascar; male, purchased 30th October, 1884.

13. *Lemur catta*, Ring-tailed Lemur, Hab. Madagascar; female, presented by L. F. Pallin, Esq., V.S., 21st March, 1882.

Order III.—Carnivora.

Family Felidæ—Genus Felis.

14. *Felis leo*, Lion, Hab. Africa and South Western Asia; male, born in the Gardens, 9th October, 1879; female (Minnie), purchased 13th February, 1883; female (Queen), purchased 13th February, 1883; female, born in the Gardens (Minnie), 24th October, 1886; male born in the Gardens (Queen's), 6th November, 1886; males, 4 born in the Gardens (Queen's), 5th August, 1887. Male and female born in the Gardens, 21st June, 1887. Total 11.

15. *Felis tigris*, Tiger, Hab. Eastern Asia; male, presented by His Highness the Raja of Partabghur, through General Montgomery; female, purchased 21st May, 1885.

16. *Felis pardus*, Leopard. Hab. Southern Asia and Africa; male, purchased 22nd April, 1878; female presented by H. J. Henderson, Esq., 27th October, 1882; female purchased; male (African), presented by Dr. Digby, 21st May, 1885; female (African) presented by Dr. Digby, 21st May, 1885; male, black variety, purchased 8th June, 1886.

17. *Felis serval*, Serval, Hab. Africa; male, purchased 15th July 1887.

18. *Felis chaus*, Egyptian Cat. Hab. North Africa; male, purchased June, 1882.

19. *Felis concolor*, Puma, Hab. America; female, purchased 21st May, 1886.

Family Viverridæ—Genus Genetta.

20. *Nandinia binotata*, West Coast of Africa; male, presented by Dr. Harte, 26th March, 1882.

Genus Herpestes.

21. *Herpestes griseus*, Grey Ichneumon, Hab. India; male, purchased 23rd October, 1886.

Genus Cynictis.

22. *Cynictis penicillata*, Levaillant's Cynictis, Hab. South Africa; male, purchased October 13th, 1887.

Genus Suricata.

23. *Suricata tetradactyla*, Suricate, Hab. South Africa; purchased 13th October, 1887.

Family Canidæ—Genus Canis.

24. *Canis familiaris*, Burmese Dog; Hab. Burmah; male, presented by Commander F. French, 5th July, 1886.

25. *Canis familiaris*, Egyptian Dog; male, presented 3rd April, 1884, by Lieutenant Cusack; taken on the battlefield of Tel-el-Kebir.

26. *Canis tibetanus*, "The Griffin," of Herodotus, Hab. Thibet; presented by G. Rosse, Esq., D.I., R.I.C., 6th October, 1885.

27. *Canis vulpes*, Common Fox, Hab. British Islands, male, purchased 23rd July, 1882; male, presented by the Marquis of Kildare, 10th Feb., 1887; female presented by C. A. Nash, Esq., 29th March, 1888.

28. *Canis lagopus*, Arctic Fox, Hab. Arctic Regions, presented by the Rev. Dr. Haughton, 15th November, 1888.

FAMILY MUSTELIDÆ—GENUS MUSTELA.

29. *Mustela furo*, Common Ferret, Hab. British Isles ; male, purchased November, 1886.

GENUS MELES.

30. *Meles taxus*, Common Badger, Hab. British Islands ; male, presented by A. More O'Farrell, Esq., 28th April, 1887 ; male, presented by A. More O'Farrell, Esq., 12th May, 1887 ; male, presented by Major Kingscote, 12th April, 1888 ; male, presented by Sir John Dillon, Bart., 26th April, 1888 ; male, presented by Captain Archdale, 17th May, 1888.

GENUS LUTRA.

31. *Lutra vulgaris*, Common Otter, Hab. British Islands ; male, purchased 7th October, 1885.

FAMILY PROCYONIDÆ—GENUS PROCYON.

32. *Procyon lotor*, Raccoon, Hab. North America ; male, presented by Sir Richard Martin, Bart., 6th March, 1884.

GENUS NASUA.

33. *Nasua rufa*, Ring-tailed Coati, Hab. South America ; male, purchased 6th May, 1886 ; male, presented by Captain Bredin, 26th August, 1886.

FAMILY URSIDÆ—GENUS URSUS.

34. *Ursus maritimus*, Polar Bear, Hab. Polar regions ; female, presented by W. Findlater, Esq., 25th November, 1876 ; female, purchased 7th October, 1886.

35. *Ursus arctos*, Brown Bear, Hab. Northern Europe and Asia ; male, presented by —— Denton, Esq., 27th January, 1871 ; male, presented by Lord William Compton, 14th October, 1880.

36. *Ursus tibetanus*, Himalayan Bear, Hab. Northern India and China ; male and female presented by Lord Mayo, 15th August, 1872 ; female, presented by R. Rathbourne, Esq.

GENUS MELURSUS.

37. *Melursus ursinus*, Sloth Bear, Hab. India ; purchased 22nd September, 1886.

ORDER VI.—RODENTIA.

FAMILY SCIURIDÆ.—GENUS SCIURUS.

38. *Sciurus cinereus*, Grey Squirrel, Hab. North America ; male, purchased 29th January, 1885.

FAMILY OCTODONTIDÆ—GENUS MYOPOTAMUS.

39. *Myopotamus coypus*, Coypu, Hab. South America ; male, purchased 13th October, 1887.

FAMILY HYSTRICIDÆ—GENUS HYSTRIX

40. *Hystrix cristata*, Crested Porcupine, Hab. Asia and Afria ; presented by J. Nixon, Esq., 19th October, 1882.

FAMILY CAVIIDÆ—GENUS CAVIA.

41. *Cavia porcellus*, Restless Cavy or Guinea Pig ; presented by Miss Ledwidge, 18th December, 1884.

FAMILY LEPORIDÆ—GENUS LEPUS.

42. *Lepus cuniculus*, Common Rabbit, Hab. British Islands; purchased July, 1887; 3 presented by H. Waterhouse, Esq., 31st December, 1888.

ORDER VIII.—PROBOSCIDEA.

FAMILY ELEPHANTIDÆ—GENUS ELEPHAS.

43. *Elephas indicus*, Indian Elephant, Hab. India; male, purchased 9th March, 1882; female, purchased 9th March, 1882.

ORDER IX.—UNGULATA. SUB-ORDER I. PERISSODACTYLA.

FAMILY EQUIDÆ—GENUS EQUUS.

44. *Equus burchellii*, Burchell's Zebra, Hab. South Africa; male, purchased.

SUB-ORDER II.—ARTIODACTYLA—FAMILY BOVIDÆ.

SUB-FAMILY BOVINÆ—GENUS BOS.

45. *Bos indicus*, Zebu, Hab. India; male, presented by L M. Morgan, Esq., 26th January, 1881; female Hybrid, between this species and *Bos taurus*, born in Gardens, 21st January, 1887.

GENUS BISON.

46. *Bison Americanus*, American Bison, Hab. North America; male, purchased 29th March, 1881.

GENUS POEPHAGUS.

47. *Poephagus grunniens*, Yak, Hab. Thibet; female, purchased 5th May, 1887.

SUB-FAMILY ANTILOPINÆ—GENUS ANTILOPE.

48. *Antilope cervicapra*, Indian Antilope; male, purchased 8th September, 1887; female, purchased 13th October, 1887; female, born in the Gardens 15th November, 1888.

GENUS OVIS.

49. *Ovis aries*, Domestic Sheep: female, presented by John Rush, Esq., 10th June, 1885; female hybrid between above and fat-tailed sheep of Syria, born in the Gardens, 12th April, 1886.

SUB-FAMILY CERVINÆ—GENUS CERVUS.

50. *Cervus elaphus*, Red Deer, Hab. Europe; female, born in the Gardens 20th August, 1884; female, born in the Gardens 25th August, 1885; male, born in the Gardens 29th September, 1886; male, presented by the Earl of Howth, 20th October, 1887.

51. *Cervus aristotelis*, Sambur Deer, Hab. India; female, purchased 6th May 1886.

52. *Cervulus muntjac*, Barking Deer, Hab. India; male and female purchased.

GENUS DAMA.

53. *Dama vulgaris*, Fallow Deer, Hab. Europe; male presented by the Board of Works, 10th November, 1887.

GENUS ALCES.

54. *Alces machlis*, Moose, Hab. Northern Europe and North America; male, purchased 14th July, 1887.

FAMILY CAMELIDÆ—GENUS LAMA.

55. *Lama peruana*, Llama, Hab. Peru; 3 females and 1 male, purchased 7th July, 1881; male, born in the Gardens, 20th July, 1883; male, born in the Gardens 28th May, 1886; male, born in the Gardens 20th July, 1886; female, born in the Gardens, 26th July, 1888.

GENUS CAMELUS.

56. *Camelus dromedarius*, Common Camel, Hab. Egypt; male, purchased 25th November, 1885.

ORDER XII.—EDENTATA—FAMILY DASYPODIDÆ.

GENUS DASYPUS.

57. *Dasypus sexcinctus*, Six-banded Armadillo, Hab. Brazil; male, purchased 6th September, 1883.

ORDER XIII.—MARSUPIALIA.—FAMILY DASYURIDÆ

GENUS DASYURUS.

58. *Dasyurus maugæi*, Mauge's Dasyure, Hab. Australia; male, purchased 14th May, 1885.

FAMILY PHALANGISTIDÆ—GENUS PHALANGISTA.

59. *Phalangista vulpina*, Vulpine Phalanger, Hab. Australia; male, presented by Dr. J. Brown, October 7th.

FAMILY MACROPODIDÆ—GENUS PETROGALE.

60. *Petrogale penicillata*, Brush-tailed Kangaroo, Hab. New South Wales; male, purchased 26th May, 1887; female, purchased 26th May, 1887.

61. *Macropus sp.*, Kangaroo, Australia, purchased.

CLASS AVES—ORDER I. PASSERES.

FAMILY TURDIDÆ.

1. *Turdus musicus*, Song Thrush, Hab. British Islands.
2. *Turdus merula*, Blackbird, Hab. British Islands.
3. *Erithacus rubecula*, Redbreast, Hab. British Islands.

FAMILY PLOCEIDÆ.

4. *Estrelda cinerea*, Common Waxbill, Hab. West Africa; presented by W. R. Joynt, Esq., 11th June, 1885.

5. *Estrelda subflava*, Zebra Waxbill, Hab. Africa; purchased 3rd September, 1883.

6. *Quelea sanguinirostris*, Red-beaked Weaverbird, Hab. West Africa; 7 purchased 3rd April, 1884.

7. *Hyphantornis capensis*, Olive Weaverbird, Hab. South Africa; purchased 3rd April, 1888.

FAMILY FRINGILLIDÆ.

8. *Passer montanus*, Tree Sparrow, Hab. British Island; presented 1888.

9. *Ligurinus chloris*, Greenfinch, Hab. British Islands; presented by C. J. Wallace, Esq., 12th April, 1885.

10. *Fringilla cælebs*, Chaffinch, Hab. British Islands; purchased 12th April, 1885.

11. *Carduelis elegans*, Goldfinch, Hab. British Islands; purchased 12th April, 1885.

12. *Serinus canarius*, Canary, Hab. Canary Islands; presented by Dr. Gordon, R.I.C.

13. *Linota cannabina*, Linnet, Hab. British Islands; purchased 12th April, 1885.

FAMILY CORVIDÆ.

14. *Corvus corax*, Raven, Hab. Europe and North America; purchased 9th October, 1884.

15. *Pyrrhocorax graculus*, Chough, Hab. British Islands; presented by C. J. Wallace, Esq., 8th July, 1886.

ORDER III. PSITTACI.

FAMILY CACATUIDÆ. SUB-FAMILY CACATUINÆ.

16. *Cacatua galerita*, Greater Sulphur Crested Cockatoo, Hab. Australia; 1 presented by Mrs. Hutchinson, January 10th, 1884; 2 presented by Mrs. Thornley Stoker, 7th February, 1884; presented

17. *Cacatua sulphurea*, Lesser Sulphur Crested Cockatoo, Hab. Moluccas; presented by L. F. Perrin, Esq., 16th February, 1884.

18. *Cacatua roseicapilla*, Roseate Cockatoo, Hab. Australia; 2 purchased 23rd June, 1881; 6 purchased 22nd September, 1887.

19. *Licmetis tenuirostris*, Slender-billed Cockatoo, Hab. South Australia; 4 purchased 23rd June, 1881.

SUB-FAMILY CALOPSITTINÆ.

20. *Calopsitta novæ-hollandiæ*, Cockateel, Hab. Australia; 5 purchased 6th September, 1883.

FAMILY PALÆORNITHIDÆ.

21. *Aprosmictus scapulatus*, King Parrakeet, Hab. New South Wales; male, purchased 22nd September, 1887.

22. *Melopsittacus undulatus*, Undulated Grass Parakeet, Hab. Australia; 6 purchased 23rd June, 1881.

FAMILY PSITTACIDÆ.

23. *Ara militaris*, Red and Yellow Macaw, Hab. South America; purchased 21st November, 1863; purchased 20th October, 1887.

24. *Ara ararauna*, Blue and Yellow Macaw, Hab. South America; presented by Miss Johnston, 31st January, 1884.

25. *Ara chloroptera*, Green Macaw, Hab. Brazil; purchased 22nd Sept., 1887.

26. *Brotogenys tiriacula*, All-green Parrakeet, Hab. South America; purchased 23rd June, 1881.

ORDER IV. STRIGES.

FAMILY STRIGIDÆ.

27. *Strix flammea*, Barn Owl, Hab. Europe, Asia, Africa and America.

FAMILY ASIONIDÆ.

28. *Asio brachyotus*, Short-eared Owl, Hab. Europe, Asia, Africa and America; presented by Lord Maurice FitzGerald, 25th August, 1887.

29. *Syrnium aluco*, Hab. Europe; presented by C. J. Wallace, Esq., 19th July, 1888.

30. *Bubo maximus*, Great Eagle-Owl, Hab. Europe and North Asia; purchased 8th September, 1887.

31. *Bubo maculosus*, Spotted Eagle-Owl, Hab. Africa; 2 presented by Lieutenant Campbell, 2nd Connaught Rangers, 1882.

Order v. Accipitres.

Family Falconidæ.

32. *Circus æruginosus*, Marsh Harrier, Hab. Europe; exchanged for Pigeons, 3rd July, 1884; presented by J. C. Carter, Esq., D.I., R.I.C., 20th January, 1887.

33. *Buteo vulgaris*, Buzzard, Hab. Europe; presented by John Fowler Coakson, Esq., 21st July, 1887.

34. *Buteo desertorum*, African Buzzard, Hab. Africa; presented by Dr. Brooks, 15th March, 1883.

35. *Buteo jacal*, Jackal Buzzard, Hab. Africa.

36. *Milvus migrans*, Black Kite, Hab. Russia.

37. *Aquila maritima*. Hab. British Isles, &c.

38. *Aquila chrysaetus*, Golden Eagle, Hab. Europe and North America; presented by the Earl of Roden, Secretary, 1883; presented by A. M. Laihe, Esq., 11th June, 1885; presented by the Queen's College, Galway, 29th November, 1887.

39. *Aquila imperialis*, Imperial Eagle, Hab. Europe and Asia; presented by R. T. Montgomery, Esq., 4th January, 1873.

40. *Aquila audax*, Wedge-tailed Eagle, Hab. Australia; presented by R. Roe, Esq., 27th September, 1867; presented by J. J. Carey, Esq., 24th April, 1874.

41. *Spizaetus coronatus*, Crowned Hawk-Eagle, Hab. Senegal; presented by the Rev. Mr. Gerde, 21st May, 1886.

42. *Falco peregrinus*, Peregrine Falcon, Hab. Europe; presented by Lord Powerscourt, 16th June, 1887.

43. *Tinnunculus alaudarius*, Kestrel, Hab. British Islands.

2	Presented by	J. Donnelly,	30th August, 1888.
2	,,	,,	7th September, 1888.
1	,,	,,	3rd December, 1885.
1	,,	,,	19th December, 1885.
1	,,	,,	6th October, 1887.
1	,,	,,	10th November, 1887.

44. *Gypohierax angolensis*, Angolan Vulture, Hab. West Africa; presented by Dr. Harte, 13th July, 1882; presented by Dr. Sullivan through Dr. Nixon, 13th January, 1887.

Family Cathartidæ.

45. *Sarcorhamphus gryphus*, Condor Vulture, Hab. South America; presented by the Zoological Gardens, London, 9th September, 1852; purchased 18th March, 1867.

Order vi. Steganopodes.

Family Pelecanidæ.

46. *Pelecanus onocrotalus*, White Pelican, Hab. Southern Europe and North Africa; 2 purchased 29th November, 1867.

Family Phalacrocoracidæ.

47. *Sula bassana*, Gannet, Hab. British Islands; presented by Captain Boxer, R.N., 30th August, 1888.

48. *Phalacrocorax carbo*, Common Cormorant, Hab. British Islands; presented by Captain Boxer, R.N., 21st July, 1887.

ORDER VII. HERODIONES.

FAMILY CICONIIDÆ.

49. *Ciconia alba*, White Stork, Hab. Europe; 6 purchased 26th June, 1886.

FAMILY PLATALEIDÆ.

50. *Ibis strictipennis*, Australian Sacred Ibis, Hab. Australia; 3 purchased 22nd September, 1887.

ORDER X. ANSERES.

FAMILY ANATIDÆ.

SUB-FAMILY II. CEREOPSINÆ.

51. *Cereopsis novæ-hollandiæ*, Cereopsis Goose, Hab. Australia; male, purchased 7th September, 1886.

52. *Bernicla leucopsis*, Bernicle Goose, Hab. Europe; 4 purchased 10th May, 1888; 1 presented by Captain Boxer, R.N., 5th April, 1888.

53. *Bernicla canadensis*, Canada Goose, Hab. North America; 4 presented by the Marquis of Ely, 5th July, 1883; 1 Born in the Gardens, 1886; 6 presented by the Board of Works, 23rd June, 1887.

54. *Bernicla brenta*, Brent Goose, Hab. Europe; 4 purchased 5th April, 1888; 6 purchased 10th May, 1888.

SUB-FAMILY IV. CYGNINÆ.

55. *Cygnus olor*, Mute Swan, Hab. Europe; 2 presented by — Kinahan, Esq., 15th November, 1883; 1 presented by Lady Gough, 26th November, 1885; 2 presented by the Board of Works, 3rd December, 1885; 4 presented by the Board of Works, 23rd June, 1887; 2 hatched in the Gardens, 9th June, 1887.

SUB-FAMILY V. ANATINÆ.

56. *Dendrocygna viduata*, White-faced Tree Duck, Hab. Brazil; purchased 10th September, 1885.

57. *Dendrocygna javanica*, Indian Tree Duck, Hab. India; 7 purchased 5th May, 1887.

58. *Tadorna vulpanser*, Common Sheldrake, Hab. Europe; 4 purchased 8th September, 1887; presented by Captain Boxer, R.N., 8th Dec., 1887.

59. *Cairina moschata*, Muscovy Duck, Hab. South America; male and female, presented by the Board of Works, 23rd June, 1887.

60. *Anas boscas*, Wild Duck, Hab. Europe; 2 males, presented by the Board of Works, July, 1886; 4 females presented by Howard Waterhouse, Esq., 28th October, 1887; 12 Hybrids hatched in the Gardens, June, 1887; 24 Hybrids hatched in the Gardens, July, 1888.

61. *Querquedula crecca*, Common Teal, Hab. Europe; 5 purchased 13th May, 1886; 5 females purchased 13th May, 1886; 10 purchased 5th April, 1888.

62. *Querquedula circia*, Garganey, Hab. Europe; 4 purchased 8th September, 1887.

63. *Mareca penelope*, Wigeon, Hab. Europe; 4 males and 4 females, purchased 13th May, 1886; 4 males and 4 females, purchased 17th March, 1887; 8 purchased 10th May, 1888.

64. *Æx sponsa*, Summer Duck, Hab. North America; male and female, purchased 13th May, 1886.

SUB-FAMILY VI. FULIGULINÆ.

65. *Fuligula ferina*, Pochard, Hab. Europe; 4 males and 4 females, purchased 17th March, 1887; 2 purchased 10th May, 1888.

66. *Clangula glaucion*, Golden-eye, Hab. Europe; 2 males and 2 females, purchased 13th May, 1887.

ORDER XI. COLUMBÆ.

FAMILY COLUMBIDÆ.

67. *Columba œnas*, Stock Dove, Hab. British Islands; 2 presented by Edward Williams, Esq.

68. *Columba palumbus*, Ring Dove, Hab. British Islands; 4 purchased 10th September, 1885; 5 hatched in the Gardens, 1886.

69. *Turtur communis*, Turtle Dove, Hab. British Islands; male and female, presented by C. J. Wallace, Esq., 22nd September 1887.

70. *Ocyphaps lophotes*, Crested Pigeon, Hab. Australia; 6 purchased 22nd September, 1887.

71. *Calœnas nicobarica*, Nicobar Pigeon, Hab. Indian Archipelago; 1 purchased 22nd September, 1887.

ORDER XIII. GALLINÆ.

FAMILY PHASIANIDE.

72. *Phasianus colchicus*, Pheasant, Hab. British Islands; male and female, purchased 22nd February, 1885; male, presented by Dr. Traill, 24th April, 1887.

73. *Thaumalea picta*, Golden Pheasant, Hab. China; cock presented by H. M. Barton, Esq., 31st January, 1885; 1 Hybrid, between this species and *Thaumalea amherstiæ*, purchased 22nd February, 1885; 5 cocks, presented by Francis Norman, Esq., December, 1887.

74. *Euplocamus nycthemerus*, Silver Pheasant, Hab. China; 3 hens, presented by Major Irwin, 22nd September, 1881; cock and hen, presented by Charles J. Wallace, Esq., May, 1886.

75. *Pavo cristatus*, Common Peafowl, Hab. India; 2 males, purchased 22nd July, 1886.

FAMILY CRACIDÆ.

76. *Ortalis sp.* Guan, Hab. S. America; purchased 23rd June, 1881.

ORDER XVI. FULICARIÆ.

FAMILY RALLIDÆ.

77. *Porphyrio cæruleus*, Purple Gallinule, Hab. South Western Europe; 2, presented by Dr. Nixon, 22nd September, 1887.

ORDER XIX. GAVIÆ.

FAMILY LARIDÆ.

78. *Larus argentatus*, Herring Gull, Hab. Europe; presented by Dr. P. T. Abraham, October 30th, 1884.

ORDER XXV. CASUARII.

79. *Dromæus novæ-hollandiæ* Emu, Hab. Australia.

Class Reptilia—Order Testudinata.

Family Emydidæ.

1. *Emys europæa*, European Pond Tortoise, Hab. Europe.

Order Crocodilia.

Family Crocodilidæ.

2. *Alligator mississippiensis*, Alligator, Hab. Mississippi; purchased 25th October, 1883; presented by Major G. Healy, 3rd June, 1886; presented by Walter Gape, Esq., September 23rd, 1886; presented by E. V. Selfe, Esq., 18th August, 1887.

Order Sauria.

Family Sphenodontidæ.

3. *Sphenodon punctatus*, Tuatera Lizard, Hab. New Zealand; presented by Professor Haddon, 1887.

Order Ophidia.

Family Boidæ.

4. *Python sp.*, Hab. Africa; presented by Dr. Harte, 13th July, 1882.

Family Colubridæ.

5. *Tropidonotus natrix*, Common Snake, Hab. British Islands; 1, presented by Mrs. Cooper, 18th August, 1887; 5, deposited by S. K. Twigg, Esq., 1887.

Class Pisces.

Family Percidæ.

1. *Perca fluviatilis*, Common Perch, Hab. British fresh waters.

Family Gobiidæ.

2. *Gobius niger*, Black Goby, Hab. British Seas.
3. *Gobius minutus*, Freckled Goby, Hab. British Seas.

Family Salmonidæ.

4. *Salmo fario*, Common Trout, Hab. British fresh waters.

Family Esocidæ.

5. *Esox lucius*, Pike, Hab. British fresh waters.

Family Cyprinidæ.

6. *Gobio fluviatilis*, Common Gudgeon, Hab. British fresh waters.
7. *Leuciscus rutilus*, Roach, Hab. British fresh waters.
8. *Leuciscus phoxinus*, Minnow, Hab. British fresh waters.
9. *Tinca vulgaris*, Common Tench, Hab. British fresh waters.

Family Murænidæ.

10. *Anguilla vulgaris*, Common Eel, Hab. British fresh waters.

RETURN OF ANIMALS ACQUIRED

BY THE

Royal Zoological Society of Ireland

DURING THE YEAR 1888.

PRESENTATIONS.

DATE	ANIMALS	PRESENTED BY
Jan. 19—2	Badgers, *Meles taxus*, Hab. British Islands	M. J. Last, Gamekeeper, Owen More
Feb. 16—1	Buzzard	Mr. E. Barnick, The Barque, "Dennis Brunderst"
Feb. 23—2	Guinea-fowl, *Numida meleagris*, Hab. British Islands.	Mrs. Butterley, Home Farm, Drumcondra
Mar. 15—1	Sooty Mangabey, *Cercocebus fuliginosus*, Hab. West Africa	Dr. W. J. Lawler, 40, Lansdowne-road
Mar. 29—1	Common Fox, *Canis vulpes*, Hab. British Islands	C. A. Nash, Esq., Lucan
April 5—1	Bernicle Goose, *Bernicla leucopsis*, Hab. Europe	Capt. A. F. Boxer, R.N., Irish Lights Office
1	Black-backed Gull, *Larus marinus*, Hab. British Islands	
April 12—1	Badger, *Meles taxus*, Hab. British Islands	Major Kingscote
April 19—1	Mona Monkey, *Cercopithecus mona*, Hab. West Africa	Capt. Munns, 6th Connaught Rangers, Ballina
April 26—1	Badger, *Meles taxus*, Hab. British Islands	Sir John Dillon, Bart., Lismullen, Navan
May 10—1	Badger, *Meles taxus*, Hab. British Islands	Do.
May 17—2	Badgers, *Meles taxus*, Hab. British Islands	Capt. Archdale, Enniskillen
May 17—1	Manx Cat	Lord Jas. Butler, D.L.
May 31—1	Sparrow Hawk, *Accipiter nisus*, Hab. British Islands	Dr. Carte, Royal Hospital
June 14—3	Peafowl, *Pavo cristatus*, Hab. India	Her Majesty the Queen
July 12—1	Turtle, *Chelone viridis*, Hab. West Indies	Sir G. Porter, M.D.
July 19—1	Rhesus Monkey, *Macacus rhesus*, Hab. Continental India	I. J. Richardson, Esq., Killowen, Co. Antrim
July 19—1	Tawny Owl, *Syrnium aluco*, Hab. Europe	C. J. Wallace, Esq., Belfield, Booterstown
July 19—1	Kestrel, *Tinnunculus alaudarius*, Hab. British Islands	Master Wheeler, Merrion-square

DATE	ANIMALS	PRESENTED BY
July 26—2	Canaries, *Serinus canarius*, Hab. Canary Islands	Miss Lawes
Aug. 2—1	Persian Cat	P. Bagenal, Esq., 30, Waterloo-road
Aug. 9—1	Seal, *Phoca vitulina*, Hab. British Seas	Captain Boxer, R.N., Irish Lights Office
Aug. 16—2	Rabbits, *Lepus cuniculus*, Hab. British Islands	Captain Boxer, R.N., Irish Lights Office
Aug. 16—2	Toads. *Bufo vulgaris*, Hab. England	The Rev. S. A. Pelly, Lea House, Pembroke-road
Aug. 30—1	Gannet, *Sula bassana*, Hab. British Islands	Captain Boxer, R.N., Irish Lights Office
Aug. 30—2	Sparrow Hawks, *Accipiter nisus*	J. Donnell, Esq., 6, Rehoboth-place
2	Kestrels, *Tinnunculus alaudarius*, Hab. British Islands	
Sept. 7—2	Kestrels, *Tinnunculus alaudarius*, Hab. British Islands	Do.
Sept. 14—1	Rhesus Monkey, *Macacus rhesus*, Hab. Continental India	J. Hurford, Esq., 19. Montpelier-hill
Sept. 27—1	Merlin, *Falco æsalon*, Hab. Europe	J. Donnell, Esq., 6, Rehoboth-place
Oct. 4—1	Rhesus Monkey, *Macacus rhesus*, Hab. Continental India	Mitchell Henry, Esq.
Oct. 4—1	Common Snake, *Tropidonotus natrix*, Hab. British Islands	Dr. Snow, Montgomeryshire
Oct. 18—1	Black-eared Marmoset, *Hapale penicillata*, Hab. South-east Brazil	Dr. Swan, Stephen's-green
Oct. 25—1	Squirrel Monkey, *Chrysothrix sciurea*, Hab. Guiana	W. A. Dixon, Esq., Strand-road, Sandymount
Oct. 25—1	Seal, *Phoca vitulina*, Hab. British Seas	T. O'Shaughnessy, Esq., 50, East Arran-st.
Nov. 15—2	Arctic Foxes, *Canis lagopus*, Hab. Arctic Regions	The Rev. Dr. Haughton, 12, Northbrook-road
Dec. 6—1	Egret Monkey	Thomas Talbot Power, Esq., 27, Merrion-sq.

ANIMALS PURCHASED.

DATE	ANIMALS PURCHASED.
Apr. 5—	4 Brent geese, *Bernicla brenta*, Hab. Europe
,, 5—	4 Pintails, *Dafila acuta*, Hab. Europe
,, 5—	10 Teal, *Querquedula crecca*, Hab. Europe
May 10—	8 Pintails, *Dafila acuta*, Hab. Europe
,, 10—	8 Wigeon, *Mareca penelope*, Hab. Europe
,, 10—	4 Bernicle Geese, *Bernicla eucopsis*
,, 10—	6 Brent Geese, *Bernicla brenta*, Hab. Europe
,, 10—	4 Pintails, *Dafila acuta*, Hab. Europe
,, 10—	4 Wigeon, *Mareca penelope*, Hab. Europe
,, 10—	2 Pochards, *Fuligula ferina*, Hab. Europe
,, 10—	10 Godwits, *Limosa ægocephala*, Hab. Europe
,, 10—	10 Ruffs, *Machetes pugnax*, Hab. Europe
Aug. 9—	1 Puma, *Felis concolor*, Hab. America
Oct. 11—	1 Rhesus Monkey, *Macasus rhesus*, Hab. India
,, 11—	2 Seals, *Phoca vitulina*, Hab. British Seas
,, 18—	1 Chacma Baboon, *Cynocephalus porcarius*, Hab. South Africa

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ANIMALS BORN IN THE GARDENS DURING THE YEAR 1888.

DATE	
June 7—	3 Persian Cats.
June 21—	2 Lion Cubs ♂ and ♀, *Felis Leo* (Queen's Cubs). Hab. Africa and South Western Asia.
July 26—	1 Llama, *Lama peruana*, Hab. Peru.
July 26—	1 Red Deer, *Cervus elaphus*, Hab. Europe.
Nov. 15—	1 Indian Antelope, *Antilope cercicapra*, Hab. India.

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* Scriven George, M.D., 33 St. Stephen's-green
* Scriven, W. B., M.D., 33 St. Stephen's-green
Segrave, Hugh, J.P., Kiltimon House, Newtownmountkennedy
* Shacketon, Joseph F., Anna Liffey Mills, Lucan
* Shackleton, Abraham, J.P., Clondarragh, Foxrock
Shaw, James J., 23 Upper Pembroke-street
* Shaw, Sir Robert, Bart., Bushy Park, Terenure
* Shirley, Evelyn J., D.L., Carrickmacross
* Sligo, Most Hon. the Marquess of, Westport House, Westport
* Smith, Aquilla, M.D., 121 Lower Baggot-street
* Smith, Walter G., M.D., 34 Lower Baggot-street
* Smyth, Robert, 6 and 7 St. Stephen's-green

✠ Smyth, Edward Webber, 7 St. Stephen's-green
✠ Smyth, Robert William, 99 Moyne-road, Rathmines
Smyly, P. Crampton, M.D., 4 Merrion-square, north
Smyth, George, 81 Pembroke-road
Speedy, Albert O., M.D., 28 North Frederick-street
✠ Spottiswoode, Lieutenant-Colonel A.
✠ Stanley, H. R.
✠ Staunton, C. F., M.D.
Stein, R. W., 49 Raglan-road
Stein, Mrs., 49 Raglan-road
✠ Stewart, Alexander J. B., D.L., J.P., Ards House, co. Donegal
✠ Stewart, Sir Robert P , 18 Trinity College
✠ Stoker, William Thornley, M.D., 16 Harcourt-street
✠ Stokes, F., J.P., Commercial Buildings, Dame-street
✠ Stokes, Sir William, M.D., 5 Merrion-square, north
Stoney, G. Johnstone, F.R.S., 9 Palmerston-park, Rathmines
✠ Stoney, Bindon, F.R.S., C.E., 42 Wellington-road
Storey, J.B., M.B., 24 Lower Baggot-street
✠ Sugrue, Charles I. H.
✠ Sullivan, Prof W. K., President Queen's College, Cork
Swan, J. Percival, 58 Lower Dominick-street
Swanzy, H. R., M.D., Merrion-square, north
✠ Thompson, H. Yates
Thompson, R. Wade, Clonskeagh Castle, County Dublin
Tichborne, C. R. C., Ph.D., F.C.S., 15 North Great George's-st.
✠ Tickell, George, J.P., 18 Mary-street
✠ Toole, Charles, D'Olier-street
✠ Townshend, Charles Uniacke, J.P., 10 Burlington-road
✠ Traill, Anthony, LL.D., F.T.C.D., Trinity College
Turner, Colonel, A.E., R.M.
Turbett, Robert E., Dunedin, Monkstown
✠ Twigg, S. Knox, 5 Bachelor's-walk
Tweedy, Henry, M.D., Gardiner's-row
Vance, Thomas, J.P., 9 Bridge-street
✠ Vandeleur, Colonel C. Moore, Kilrush House, Kilrush
Wallace, Charles J., Belfield, Booterstown
Waller, A. G., Denzille-street
Waller, Edmund W., Brewery, James's-gate
Walpole, George, 8 Suffolk-street
Walpole, Edward, 8 Suffolk-street
Wardell, J. D., 40 Lower Leeson-street
✠ Warren, Robert, J.P., Wyvern, Dalkey
Watson, Wm., J. P., Fitzwilliam-place
Waterhouse, H. A., Clermont, Killiney
Waterhouse, Samuel, 25 Dame-street
Webb, John, Ardkill, Killiney
West, Langley A., Shanganagh Grove, Ballybrack
Westby, E. P., J.P., Roebuck Castle, Dundrum
Westby, Francis P., Roebuck Castle, Dundrum
White, Henry Bantry, M.E., Ballinguile, Donnybrook
✠ White, R. Blair, 54 Upper Leeson-street
✠ White, William G., 18, Elgin-road
Whitestone, Berkeley E., 57 Northumberland-road

✠ Whitty, John Irwin, LL.D., 94 Lower Baggot street
Whyte, N. C., M.D., 5 Grosvenor-road, Rathmines
✠ Whyte, William, George's-hill, Balbriggan
Wigham, Henry, 33 Capel-street
Wigham, J. R., J.P., Albany House, Monkstown
Williams, Edward, Dame-street
✠ Williams, J. E., R.A.
Williams, R. P., 38 Dame-street
Wilson, George Orr, Dunardagh, Blackrock
✠ Wilson, W. H., 59 Pembroke-road
Wilson, W. Wesley, C.E., Eden Vale, Conyngham-road
Wilson, James, LL.B., 65 Fitzwilliam-square, north
Winstanley, Alderman James, J.P., Drummartin House, Dundrum
Woodlock, William, J.P., 15 Mountjoy-square
Wybrants, William Geale, J.P., 45 Raglan-road
✠ Yeates, Stephen, 2 Grafton-street

GARDEN SUBSCRIBERS.

Allen, Charles, North Frederick-street
Balfour, Miss A. B., Chief Secretary's Lodge
Beare, G. H., Phœnix Glen Lodge, Conyngham-road
Blyth, Mrs., The Slopes, Kingstown
Boyd, Hon. Judge, 66 Merrion-square, south
Brien, J. W., Wilton House, Wilton-place
Briscoe, Mrs.
Brown, Walter, Oakley Park, Blackrock
Bruce, Wm. R., Master of the Queen's Bench, Rockford House, Blackrock
Caraher, Edward, 62 Lower Gardiner-street
Carnegie, J. D., J.P., Bray
Carton, Richard Paul, Q.C., 35 Rutland-square, west
Connor, Rev. Richard J. M., F.T.C.D., 63 Lower Leeson-street
Dickinson, Rev. John A., Steevens' Hospital
Doyle, J. P., 23 Lower Fitzwilliam-street
Edmondson, Mrs., Foxrock
Finny, J. Magee, M.D., 19 Lower Baggot-street
Forster, Lady, 63 Fitzwilliam-square, north
Foster, Rev. Robert, Royal Hibernian Military School
Franks, Thomas C., 35 Northumberland-road
Fuller, Rev. A. S., 7 Fitzwilliam-place
Furlong, R. O'B., Cloneevan, Killiney
Gibson, Rev. Thomas B., King's Hospital, Blackhall-place
Hurford, J., Montpellier Hill
Hopkins, Nicholas, 80 Grafton-street
Ivatt, H. A., St. John's, Island Bridge
Jameson, Andrew, Knockmaroon House, Castleknock
Jones, Percival, 11 Eblana-terrace, North Circular-road
Keys, George, LL.D., B.L., 61 Eccles-street
Knox, Mrs. L. E., 53 Fitzwilliam-square
Lane, J. B., 32 Lower Leeson-street
Lawler, William V., 50 Abbey-street
Little, Mrs. 14 St. Stephen's-green
Long, Francis P., 29 Upper Baggot-street
Malone, Alfred, 14 Appian-way
Matthews, George E., 49 Upper Sackville-street
Martin, Rev. G. H., 4 Burlington-road
Merry, James, St. Michael's, Booterstown
Milner, J. K., Cherbury, Booterstown
Monahan, Rev. James H., D.D., 44 Rutland-square, west
Morris, Right Hon. Sir M., Bart., Lord Chief Justice of Ireland, 2 Fitzwilliam-place
Mahaffy, Rev. G., 2 Belfast-terrace, North Circular-road
Naish, Right Hon. John, Lord Justice of Appeal, 65 Mountjoy-square
Newland, G. E., Commandant, Royal Irish Constabulary
Nolan, Wm. R., 24 Nassau-street
Nugent, Michael, 36 Essex-street
Nash, T. J., Lucan

O'Keeffe, Edward, Mill-street
Orpin, John, 47 Stephen's-green, east
Perrin, Richard, 50 Lower Sackville-street
Perry, George, 11 Grafton-street
Porter, Right Hon. A. M., Master of the Rolls, 42 Merrion-square
Ross, William, 66 North-wall
Scott, Wm., 2 Lower Sackville-street
Shew, B., 56 Pembroke-road
Smith, Mrs. 3 Cabra-terrace
Spence, Wm. 109 Cork-street
Spring, James, 65 Eccles-street
Stanley, W. B., 23 Lower Fitzwilliam-street
Staveley, John H., 6 Hardwicke-place
Stewart, Mrs. Anne, Beechwood, Dalkey
Symms, William, 31 Dame-street
Walpole, Thomas, 56 North-wall
Warren, Right Hon. Judge, 12 Fitzwilliam-square, east
Weir, James, St. Cloud's, Avoca-avenue, Blackrock
Wharton, J. H., M.D., 28 Upper Merrion-street

BRITISH MUSEUM
ZOOLOGY
NATURAL HISTORY

Presented.
21 MAR. 1906

BRITISH MUSEUM
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NATURAL HISTORY

GROUP OF LION AND TIGER CUBS.

THREE TIGER CUBS (MALES). PRESENTED BY DR. HEUSTON. TWO LION CUBS (MALE AND FEMALE), BORN IN THE GARDENS.

THE FIFTY-EIGHTH

ANNUAL REPORT

OF

The Royal Zoological Society

OF IRELAND,

FOR THE YEAR ENDED 31ST DECEMBER,

1889.

BRITISH MUSEUM
Z D
NATURAL HISTORY

DUBLIN:
BROWNE AND NOLAN, PRINTERS, NASSAU-STREET.
1890.

OFFICERS AND COUNCIL, JANUARY, 1890.

PATRONESS.

HER MAJESTY THE QUEEN.

EX-PRESIDENTS.

VISCOUNT POWERSCOURT, K.P.
EARL SPENCER, K.G.
J. W. MURLAND, ESQ.
REV. S. HAUGHTON.

PRESIDENT.

BALL, SIR R. S.

VICE-PRESIDENTS

PEEBLES, W. E.
NEDLEY, T.
TOWNSHEND, C. U.
BARTON, H. M.
HUTTON, T. M.

SECRETARY.

BALL, V.

TREASURER.

HOGG, J.

COUNCIL.

CARTE, W.
CUNNINGHAM, D. J.
FINDLATER, W.
FITZGERALD, E.
GORDON, S. T.
HAUGHTON, S.
HADDON, A. C.
LALOR, J. J.
LENTAIGNE, J. N.
LLOYD, J. R.
MAHAFFY, J. P.
REEVES, R.
ROBERTS, S. U.
TRAILL, A.
WALLACE, C. J.

Laws and Regulations

OF THE

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

Chapter I.—THE CONSTITUTION.

1. The Society consists of Ordinary Members and Honorary Members.

2. The Officers shall be chosen from amongst the Ordinary Members, and shall be—

A President,
Five Vice-Presidents,
A Secretary, and
A Treasurer,

who, together with fifteen other Ordinary Members of the Society, shall constitute the Council.

3. The Officers and Council for each year shall be elected at the Annual General Meeting of the Society.

4. But in case any Officer, or other Member of the Council shall die or resign, the Council may appoint a Member to supply his place until the next Annual Meeting.

Chapter II.—THE MEMBERS.

1. Every person wishing to become a Member of the Society must be proposed in writing to the Council, by one Member of Council, and seconded by another; and upon election and payment of his admission fee, such person shall be a Member of the Society.

2. But he shall not exercise the privileges of a Member until his first year's subscription is paid in advance.

3. The Admission Fee shall be *One Pound*, the Annual Subscription *One Pound*, and the Composition for life in lieu thereof, *Ten Pounds*.

4. The Annual Subscription shall be due on the first of January in each year, and shall be payable in advance.

5. If the Subscription of any Member is not paid within one year after it is due, he shall cease to be a Member until he shall have paid up his arrears.

6. No person becoming a Member after the first day of October in any year, shall be liable for the Subscription for that year.

7. No person shall exercise the privileges of a Member until he shall have paid his Subscription for the current year.

8. Ladies may be admitted as Members upon the same terms, and with the same privileges, as gentlemen.

9. Members of the Society, and such Members of their families as are *bonâ fide* resident with them, shall have the privilege of free admission to the Gardens, on their names and addresses being inserted in the Admission Book; and in the case of children of Members, the name of the person in charge of them being also signed.

Chapter III.—HONORARY MEMBERS

1. Distinguished persons may be elected Honorary Members without annual or other payment, by a vote of the Society, at any of its Meetings, upon the previous recommendation of the Council.

2. Honorary Members shall have the same privileges as other Members, except that of voting at the Meeting.

3. The number of Honorary Members shall be limited to twenty.

Chapter IV.—THE OFFICERS.

The President.

1. The President shall preside at all Meetings of the Society and Council, when present, and shall generally superintend the affairs of the Society.

2. The same person shall not be President for more than five successive years.

3. Ex-Presidents shall continue to be Honorary Members of Council.

Vice-Presidents.

1. Of the five Vice-Presidents, two at least shall go out at each election, but this shall not prevent their continuing Members of Council in another capacity.

2. The Vice-Presidents shall supply the place of the President in his absence.

The Secretary.

It shall be the duty of the Secretary to see to the execution of the rules, orders, and directions of the Society and Council.

The Treasurer.

No money shall be paid by the Treasurer, except upon the written order of the Council, signed by at least three of its Members.

Chapter V.—THE COUNCIL.

1. Three Members shall form a Quorum.

2. The Council shall meet at such times as they themselves shall determine.

3. It shall be the duty of the Council to conduct the business of the Society, subject to the laws and regulations of the Society at large.

4. All questions shall be decided by the majority of voices; and where the numbers are equal, the Chairman shall have a casting voice; but he shall not vote except in such case.

5. The Council may summon a Meeting of the Society for scientific purposes whenever they think fit, stating the object of such Meeting; and at such Meeting no business but that stated in the notice shall be discussed.

6. At least three of the Council shall go out at each election.

7. No member of the Society having any contract with the Society or Council for which payment is to be made, shall be eligible to a seat in the Council in any capacity; and if the name of any member of the Society having a contract with the Society, or receiving and fee or emolument from the Society, shall be found in the Ballot that name shall be set aside by the Chairman, notwithstanding any number of votes that may be appended to it; and if any Member or Officer of the Council enter into any contract with the Society, or receive from it any fee, payment, or emolument, his seat shall become *ipso facto* vacant in the Council, and the Council shall immediately summon a Meeting of the Society, to elect a member to the vacant place.

Chapter VI.—ANNUAL MEETING.

The Annual Meeting shall be held on the last Tuesday in January in each year, for the purpose of electing the Council and Officers for the ensuing year, and of hearing the Report of the Council read, and auditing the Accounts.

Election of Officers.

1. The Council for the time being shall annually cause to be prepared a list of persons whom they recommend to be Officers and Council for the ensuing year.

2. The list shall distinguish the three or more Members proposed to be removed, and the three or more proposed to be elected in their room, and it shall be transmitted to each Member residing in Dublin by post, along with the notice of the time and place of the General Meeting, to be sent at least seven days before the day of Meeting.

3. The Chair shall be taken at four o'clock, when the Ballot shall commence and continue open for one hour, at the expiration of which time the Chairman shall proclaim that the time had arrived when the ballot shall close, and order the porter not to admit any other Members into the room, and then the Chairman shall call on the Members in the room who have not balloted to come forward and ballot, and the scrutiny shall forthwith take place; and those persons to whose names the greater number of marks shall have been affixed shall be declared duly elected in the order and places in which they stand, provided at least three new Members be elected, but if not, then these of the proposed Members who have the least number of marks shall be rejected, until at least three former Members are excluded, and their places shall be filled by those who have the next greatest number of marks.

4. If two or more names have the same number of marks, the order of preference shall be decided by lot.

General Business.

1. No motion respecting a change in the laws or constitution of the Society shall be discussed or voted upon at the Annual or other meeting, except as hereafter provided, unless notice thereof be given in writing to the Council, at least one month before such meeting; the Council to give seven days' notice to the Members, as before ordered.

2. But the Council may propose, and bring to the vote, any measure or question, at any of the Meetings of the Society, provided it shall have been under their consideration for at least one month, and that notice thereof be given to the Members in the circular notice of such Meeting, at least seven days previous to the day of Meeting.

Chapter VII.—THE GARDENS.

1. Any person enrolling his name in a book kept at the gate of the Gardens, and paying One Pound a-year, shall be a Subscriber, and shall have the same privileges of ingress to the Gardens, as a Member of the Society.

2. The Council shall have the power of suspending all rights of free entrance to the Gardens upon the day of a public fete, or similar occasion, when such shall be given for the benefit of the Society.

3. During frost, the Council shall have power to suspend all privileges of Members and Garden Subscribers, except that of personal admission.

4. The Council shall have power from time to time to vary, as may seem fit to them, the rates of admission to non-subscribers.

ANNUAL MEETING.

The Annual Meeting of the Members of the Society, for the purpose of electing the Officers and Council, and other business, was held in the King and Queen's College of Physicians, on Tuesday, the 28th of January, at Four o'clock, P.M.

REPORT OF COUNCIL.

During the year 1889, the number of Visitors to the Gardens, and the receipts at the entrance gate, were as follows:—

			Admissions in 1888.				Admissions in 1889.			
Members			7,558				4,904			
Public Institutions			3,517				2,140			
Members' Tickets			42				58			
	s.	d.		£	s.	d.		£	s	d.
Visitors at	2	6								
Do ,,	1	0	7,785	389	5	0	8,261	413	1	0
Do ,,	0	6	9,476	236	8	0	10,091	252	5	6
Do ,,	0	3	2,837	35	9	3	3,036	37	19	0
Schools ,,	0	3								
Visitors ,,	0	2	46,165	384	14	2	45,478	378	19	8
Do ,,	0	1	10,630	44	5	10	11,448	47	14	0
			88,010	£1,090	2	3	85,416	£1,129	19	2

The total number of Visitors and receipts at gate during the past ten years have been, as follows:—

Year.	Visitors.	Receipts.
1880	112,727	£1,353 19 9
1881	120,787	1,439 14 5
1882	125,598	1,611 18 10
1883	105,479	1,447 7 3
1884	114,845	1,619 11 3
1885	110,687	1,291 15 4
1886	92,809	1,132 13 2
1887	88,357	1,100 19 0
1888	88,010	1,090 2 3
1889	85,416	1,129 19 2

During the corresponding years the total receipts from Entrance Fees and Subscriptions, were :—

Year.				Entrance Fees and Subscriptions		
1880	...	..	...	£531	0	0
1881	...	...	...	724	0	0
1882	..	...	...	723	0	0
1883	...	...	...	416	0	0
1884	...	..	...	466	0	0
1885	...	..	...	438	0	0
1886	...	...	...	460	0	0
1887	...	...	...	361	0	0
1888	...	...	...	303	1	0
1889	Life Members (2)*	£20	0 0			
	Admission Fees (8)	8	0 0			
	Members' Subscriptions	279	3 0			
	Garden Subscribers	10	0 0			
				317	3	0

The receipts from Sunday admissions, and on week days (special) at Sunday rates, during the past ten years, have been :—

1880	...	...	...	£539	3	3
1881	...	...	...	524	0	11
1882	..	...	...	573	19	7
1883	...	..	...	442	9	0
1884	...	...	...	510	3	0
1885	...	...	...	538	10	6
1886	...	...	...	477	10	5
1887	..	...	..	427	14	9
1888	...	...	...	429	0	0
1889	...	...	...	426	13	8

Although, as appears from the above tables, there has been a considerable falling off in the attendances, this has affected only the free admissions, as the total receipts at the gate slightly exceed the average of the three previous years, being nearly equal to those of 1886.

The general excess in revenue over last year is due to

* The Subscriptions of four other Life Members, making in all six, are included in the List of Donations, which see.

the special subscription, to which allusion will be made further on. It amounted to £347 19s.

Lions.—The lions continue to enjoy excellent health, but were less prolific during the year than usual, one of the lionesses having ceased to breed—and another, Minnie's cub, born on the 24th October, 1886, has not had any offspring yet. The remaining lioness, Queen, had two cubs (male and female) on the 26th June; they are now in the same cage with the three young tigers, to which reference will be made further on. Queen's two cubs of the previous year (21st June, 1888), have recently been sold, and as was mentioned in last year's Report, four cubs, all of which were males, were sold in January, so that in all six cubs were disposed of during the year, and the prices obtained were most satisfactory, as they amounted altogether to £200 in cash, and a pair of pumas, valued at £50—in all say £250; or an average of £42 10s. per cub.

From the beginning of 1884 to the end of 1889—six years—29 cubs were born in the Gardens, to which number one of the lionesses, Queen, contributed 23 (in 7 litters), and the other, Minnie, only 6 (in 2 litters)—of this total 18 were males and 11 females, the per centage proportions being, therefore, as 62 to 38, which indicates a considerably larger proportion of males, namely, 24 per cent., than that derived from an examination of the relative proportions of the sexes in the whole number of cases, which gives an excess of only 13 per cent. of males over females.

Out of the 29 cubs born since the beginning of 1884, only one has died, 24 have been sold, and 4 are now in the Gardens.

The total number of births of lion cubs in the Gardens for the last 32 years now stands at 145; of which 82 were males, 62 females, and 1 the sex of which was not recorded.

The present stock of lions is as follows :—

Lion "Paddy," born 9th October, 1879	1
Lion (Queen's cub), born 6th November, 1886	1
Lioness "Minnie," bought 2nd February, 1883	1
Lioness "Queen," bought 2nd February, 1883	1
Lioness (Queen's cub), born 24th October, 1886	1
Lion & Lioness Cubs (Queen's), born 26th June, '89	2
	7

It is satisfactory to be able to state that the results of our lion-breeding, which were published some years ago, are now being quoted in standard works on Natural History.

Tigers.—During the year the tigress died, but we were more than recompensed for her loss by the safe arrival from India in October of three tiger cubs, which were most generously presented to the Gardens by Surgeon Heuston, F.R.C.S.I., of Sipri, in Bundelkhand who secured them in a cave after having shot their parents. Having determined on presenting them to this Society, the Council at once intimated its willingness to receive them, and he made arrangements for their conduct home, entrusting them to his Kitmutgar for conveyance to Bombay for shipment. The day following their start, the Kitmutgar returned, stating that the door of the cage having become unfastened, the tigers had managed to escape, when about twenty miles on their road. Surgeon Heuston, accompanied by the Inspector of Police, then started to look for them, and was fortunate enough to find them about six miles away, returning towards home.

Whilst in Surgeon Heuston's possession they became great pets, feeding on milk and raw meat, and following him about wherever he went, being particular friends

with his fox terrier, "Gip," with whom they slept. They were called by the following names:—*Maharajah* (Prince), *Zalim* (Tyrant), and *Rani* (Queen), the latter name was given by a mistake, as the animal is a male.

It should be added that it has come to the knowledge of the Council that Surgeon Heuston's resolve to present them to the gardens was carried out in spite of a very handsome offer which was made to him for the cubs before they left India.

In recognition of his gift it is now proposed to the Society to elect Dr. Heuston as an Honorary Member of the Society.

Lion-Tigers.—With reference to the remarks made on this subject in last year's Report we have not yet succeeded in breeding examples of these hybrids. No little difficulty was experienced in the attempts to accustom adults of the two species to each other's society, owing to the great timidity and consequent fierceness shown by one or other of the animals which were introduced to one another.

The arrival of the tiger cubs referred to above has, however, enabled us to make a commencement at an early age, and the two lion cubs (male and female) are now in the same cage, and live on the most friendly terms with the tiger cubs, which, however, somewhat unfortunately for this experiment, are all males.

It may be of interest to record here that in a handbill of Atkin's Menagerie, dated 1828, for which we are indebted to Dr. Frazer, there is an account and picture of two cubs with their parents, a lion and tigress. These cubs are stated to have been born on the last day of the year 1827—a previous litter having been presented to the king, who first, it is said, conferred the title lion-tigers on these hybrids. It is remarkable that the dam should have been a tigress, since in captivity they do not, as a rule, rear their progeny, thus contrasting with

the excellent mothers which lionesses, under favourable conditions, generally prove to be.

To Mr. Rowlie Loftie, British Resident at St. George's Sound, W. Australia, and to Mr. H. M. Barton, Treasurer, the Society is indebted for a pair of Kangaroo Rats. These interesting little marsupials have survived the journey, and are apparently quite healthy.

Elephants.—After about ten months' engagement as trainer of the elephants, Captain Harrington, left our service in the month of April; since that time the elephants have been very well behaved, and are thoroughly amenable to their old keeper, who has so far proved himself to be quite capable of preventing them from relapsing into their former unmanageable condition, and he continues to put them through all the performances they learnt from their trainer.

There was a considerable amount of correspondence during the year with various dealers in reference to the sale of the elephants, but the offers having been made on the erroneous supposition that the animals were to be sold for nominal prices, no sale was effected.

Orang Utan.—It is with very great regret that we have to record the death of the orang utan "Sinbad," on the 7th of April. He had been purchased in August, 1885, and during his three years and eight months of residence in the Gardens was a universal favourite with all visitors, while his engaging character secured for him the affectionate regard of all who were more intimately acquainted with him.

The following account of him, by one of the Members of Council, will probably prove of permanent interest:—

"When he arrived he was a very little fellow, and in miserable health. Small hope, indeed, was entertained of his ultimate recovery. Thanks, however, to the devoted care and judicious management of his keeper, Supple, he gradually improved in condition, and in the course of time he

became robust and strong. As a rule anthropoid apes have not thriven well in our Gardens. It is, therefore, a pleasure to be able to record the success which attended our efforts in connection with this particular specimen, more especially as he belonged to one of the most delicate and most interesting groups. At the time of his death he was undoubtedly the finest specimen of the kind in the United Kingdom, and probably also in Europe.

"It is a matter of considerable difficulty to ascertain with any degree of exactitude the age of an anthropoid ape. Their development takes place more rapidly than in the case of man, and puberty is reached at an earlier period. Sinbad, when he first came to the Gardens, was reckoned to be two and a-half years old; at his death, therefore, he was probably about six. Still he was far from full-grown, and had clearly not reached puberty. The cranial crest, however, was beginning to show through the scalp, and he was not much under three feet in height. Four feet may be regarded as the average height attained by the adult male Orang, but cases are recorded in which certain individuals have reached five feet.

"During the time that Sinbad resided in the Gardens his habits were closely observed by several Members of the Council, and it may not be out of place to introduce here certain facts in connection with these, which appear to be of especial interest. It is well known that most apes possess the power of expressing pleasurable sensations and emotions by an act akin to laughter. Sinbad had very special gifts in this direction. When tickled his lips were drawn backwards so as to partially expose the teeth, his eye brightened, and the skin around the orbital opening became slightly puckered. If the tickling were continued he gave vent to a sound which can be best described as a 'snigger.' He was fond of fun, and in his heavy, ponderous, sluggish way greatly enjoyed himself on Sunday afternoons, when his room was crowded by his admiring friends. In intellect he was not so quick as a Chimpanzee. For instance, he could not be taught the tricks which have covered with renown the female Chimpanzee 'Sally,' in the London Zoological Gardens. Still he was very sagacious and observant, and not so much given to fits of temper and sullen moods. His keeper described him well when he said that in his behaviour 'he was just like an idiot boy.'

"It is stated that the Orang never stands on its hind-legs, and, seeing that the perfectly upright walk of man is

essentially a human peculiarity, this is a matter of some interest. The statement, however, is erroneous. One of Sinbad's amusements was to walk erect from one end of his cage to the other, swaying his long arms up and down after the fashion of a balancing pole. Nor is it correct to credit the Chimpanzee with a greater power in this direction. Travellers have been inclined to do so, but the wider range of movement in the hip-joint of the Orang should be sufficient to show that it has greater structural capabilities for the assumption of the upright attitude than the Chimpanzee."

"Sinbad died from a disease which, in all its features, was identical with typhoid fever in man. The immediate cause of death was perforation of the small intestine. His near kinship to ourselves was thus borne out to the end, seeing that he succumbed to a complaint which is supposed to be peculiar to man. His body was purchased by Dr. Haughton for the museum of Trinity College."

Herbivore House.—In last year's Report reference was made to the circumstances under which the Council was enabled to commence the erection of a house for the reception of deer. It was then stated that a sum of about £300 had been handed over, on certain conditions, to this Society by the Trustees of the old Natural History Society of Dublin, and that this sum having been found inadequate to complete the building, it had been resolved to appeal to the public for additional funds. To this appeal the Royal Dublin Society responded by voting a sum of £100, which was supplemented by a general subscription—which yielded £247 19*s.*—so that in all £347 19*s.* was obtained; or together with the original £300, a sum of about £650 was received by the Society. Of this total £450 was spent on the house, and the remainder in the purchase of animals, and in the execution of certain much needed repairs to other houses.

The deer have thriven remarkably well in their new quarters, but as there are only four compartments, with their paddocks, the number of species which can be

exhibited is limited to the following: The Moose, Stag Wapiti, with which there are two Red Deer hinds, and a male and female Sambur, which have to be kept in separate compartments.

As soon as the means of doing so become available, it is intended to increase the accommodation of this house by the addition of other compartments at the ends. As it now stands, it constitutes one of the greatest additions to the Gardens which has been made for many years.

Our stock of bovine animals was increased by the addition of two varieties of Indian humped cattle; one being a remarkably fine cow, from which a hybrid calf, by the American Bison, in the London Gardens, is expected; and the other a pair of pigmy cattle which are said to come from Afghanistan, but their precise *habitat* is not known. The male, which is fully grown, is only 26 inches high at the shoulder, exclusive of the hump.

Llama Paddock.—The structure which served as a shelter for the Llamas has long being a feature in the Gardens which called for removal, but it was only recently that we have been able to arrange for its replacement by a corrugated iron house, with separate compartments for the various discordant members of the flock. The general aspect of the paddock has been greatly improved, and the house looks most suitably placed amid its picturesque surroundings.

Carnivora houses.—The re-painting of the walls and cages in the two carnivora houses, being urgently required could no longer be postponed. The expenditure so incurred contributed to the special outlay during the year, and need not be repeated for some time.

Labelling the Animals.—A new arrangement for framing the labels, so as to preserve them from the weather, promises to be permanently successful, as it prevents

the disfigurement of the hand-printed labels which, until they were injured by the weather, proved so satisfactory.

Dog Shows—As the Society's past experience has not encouraged the Council to resume the practice of holding Dog Shows in the Gardens, it was resolved to allow the Challenge Cups in the custody of the Society to be offered at the Royal Dublin Society's Show, as had also been done in the year 1888.

The President.—Owing to the completion of his five years' term of service, Dr. Haughton vacates the Presidential chair. If ever there was a case when it seemed desirable to depart from the rules which govern the constitution of a Society, this is surely one; but we must obey the emphatic law, chap. iv., sec. 2, which provides that "*the same person shall not be President for more than five successive years.*"

Of Dr. Haughton's long service to the Society—for twenty-one years as Honorary Secretary, and during the last five years as President—it is, we feel certain, quite unnecessary to speak, because the fact is so well and widely known that letters often reach us from very distant parts of the world which bear testimony to the identification in their writers' minds of his name with the Society and its highest interests.

We anticipate that the Society at large will warmly approve of our having entered Dr. Haughton's name as a member of Council, by which we hope to continue to secure the benefit of his active participation in our deliberations.

The considerations as to the constitution of the Gardens, which were briefly stated in last year's report, have prevented us from accepting offers from promoters of switchback railways, parachute descents from balloons, and similar entertainments, which could not be accepted without seriously risking the status of the Society, which manages to meet its liabilities without having recourse to such precarious sources of income.

The mildness of last winter, followed by the present absence of frost, deprives us of the income which we endeavour to reap to the utmost when the rare opportunities arrive, that we can offer good ice for skating to the public.

During the year the Council decided that it was desirable to insure the principal buildings against fire, and a policy has accordingly been effected.

Obituary.—Among those of our members whom we have lost by death we cannot pass without some special notice the name of Dr. Robert M'Donnell, who was for many years a member of the Council. In accordance with our custom, resolutions of condolence were adopted and were duly forwarded to the members of his family, and in conformity with the laws and regulations, Mr. C. J. Wallace was appointed to the seat rendered vacant by Dr. M'Donnell's death, for the remainder of the year.

During the year the following were elected Life Members of the Society :—

The Duchess of Leinster.
The Earl of Meath.
Lord Maurice Fitzgerald.
Mr. Charles Kennedy.
Mr. Marcus Moses.
Mr. John Hamilton Reid.

The Society consists at present of—

Life Members.
Ordinary Annual Members.
Honorary Members.
Corresponding Members.
Garden Subscribers.

In the appended lists will be found information as to the extent of the collection at present.

V. BALL, *Hon. Sec.*

APPENDIX.

The public appeal for contributions, to which reference has been made on a previous page, included the following paragraphs which explain the circumstances under which that appeal was made. It was issued on the 19th of January, and the list of subscriptions was closed on the 6th of April, when the total sum of £347 19*s.* had been collected. The details are printed below.

"With the aid of a sum of £300, transferred by the Trustees of the late Natural History Society of Dublin, this Society has recently built a house for the Herbivores (Deer and Antelope) which, it is expected, will add very much to the attractions of the Gardens. The cost of this house, however, exceeds the above amount by about £100, and a further expenditure will be required to stock it.

"Owing to bad weather, during the past year, there has been a fall in the receipts which, together with some exceptional causes of expenditure, such as the training of the Elephants, has caused the Society to close last year's accounts with a deficit. Although we fully expect to clear off this debt during the course of the current year, we can do so only by sacrificing some much needed improvements.

"Under these circumstances the President and Council, deeming the time to be inopportune to appeal to the Government for aid, decided to ask for assistance from the Royal Dublin Society, and in response it has been promised, by that Society, a subscription of £100, conditionally on an equal amount being raised by general subscription."

SUBSCRIPTIONS TO SPECIAL FUND.

	£	s.	d.
Royal Dublin Society	100	0	0
*The Earl of Meath	10	0	0
*The Duchess of Leinster	10	0	0
*Lord Maurice Fitzgerald	10	0	0
*Charles Kennedy, Esq.	10	0	0
Rev. Dr. Haughton, *President*	5	0	0
George Kinahan, Esq., J.P.	5	0	0
James W. Murland, Esq., J.P.	5	0	0
Viscount Powerscourt, K.P.	5	0	0
Rev. Maxwell Close, F.G.S.	5	0	0
Mrs. Bookey	5	0	0
John Jameson, Esq., J.P.	5	0	0
The Earl of Rosse	5	0	0
Sir E. Hudson Kinahan, D.L.	5	0	0
Lord Ardilaun	5	0	0
Dr. and Mrs. Blyth	5	0	0
Sir E. C. Guinness	5	0	0
H. M. Barton, Esq., *Treasurer*	3	0	0
Sir R. Ball, LL.D., F.R.S.	3	0	0
V. Ball, Esq., LL D., F.R.S., *Secretary* ...	3	0	0
C. B. Ball, Esq., M.D.	3	0	0
J. Hogg, Esq., J.P.	3	0	0
R. Reeves, Esq.	3	0	0
S. U. Roberts, Esq., C.B.	3	0	0
J. N. Lentaigne, Esq.	3	0	0
J. J. Lalor, Esq., ...	3	0	0
W. Findlater, Esq., D.L.	3	0	0
D. J. Cunningham, Esq., M.D.	3	0	0
C. U. Townshend, Esq.	3	0	0
J. R. Lloyd, Esq.	3	0	0
A. V. Macan, Esq., M.D.	3	0	0
Thomas Fitzgerald, Esq.	3	0	0
C. J. Wallace, Esq.	3	0	0
Sir R. Martin, D.L.	3	0	0
James Little, Esq., M.D.	3	0	0
William Carte, Esq., M.D.	3	0	0
Robert Cornwall, Esq.	3	0	0
Charles E. Martin, Esq.	3	0	0
B. B. Stoney, Esq.	3	0	0
Henry Pattison, Esq.	3	0	0
Thomas Nedley, Esq., M.D.	3	0	0
Rev. J. Galbraith	3	0	0
E. Perceval Westby, Esq.	3	0	0
Maxwell Hutton, Esq.	3	0	0

* Elected Life Members.

	£	s.	d.
R. M'Donnell, Esq., M.D.	3	0	0
J. Findlater, Esq.	3	0	0
L. Hutton, Esq.	3	0	0
John M'Donnell, M.D.	3	0	0
Lord Ashbourne	2	2	0
The Rev. The Provost of Trinity College ...	2	2	0
C. E. Fitzgerald, M.D.	2	0	0
Walter G. Smith, Esq., M.D.	2	0	0
J. W. Copland, Esq.	2	0	0
Mrs. O'Neill	2	0	0
Mrs. E. Browne	2	0	0
A. C. De Renzy, Surgeon-General ...	2	0	0
Judge Flanagan	2	0	0
E. Fitzgerald, Esq.	2	0	0
Major-General Sankey	2	0	0
W. E. Peebles, Esq.	1	1	0
Dr. S. Gordon	1	1	0
Dr. Corley	1	1	0
G. H. Kinahan, Esq.	1	1	0
Sir C. Cameron	1	1	0
R. Scharff, Esq., Ph.D.	1	0	0
H. B. White, Esq.	1	0	0
Dr. A. Patton	1	0	0
Alfred MacDermott, Esq.	1	0	0
Edward O'Keefe, Esq.	1	0	0
William Auber, Esq.	1	0	0
William Alexander, Esq.	1	0	0
Prince of Saxe-Weimar	1	0	0
R. Kavanagh, Esq.	1	0	0
F. Johnston, Esq.	1	0	0
H. J. Gibson, Esq.	1	0	0
W. E. Du Bedat, Esq.	1	0	0
F. E. Du Bedat, Esq.	1	0	0
R. S. Reeves, Esq.	1	0	0
F. W. Moore, Esq.	1	0	0
Edward Fottrell, Esq.	1	0	0
Mrs. Maxwell Hutton	1	0	0
Charles William Perceval, Esq. ...	1	0	0
William Ross, Esq.	1	0	0
J. D. Carnegie, Esq., J.P.	1	0	0
William Woodlock, Esq.	1	0	0
N. Calwell, Esq.	1	0	0
Thomas Green, Esq.	1	0	0
Thomas Walpole, Esq.	1	0	0
Miss C. G. O'Brien	1	0	0
Francis V. Westby, Esq.	1	0	0
Arthur Hughes, Esq.	0	10	0
Dr. Ferguson	0	10	0

ROYAL ZOOLOGICAL SOCIETY OF IRELAND—ACCOUNT FOR YEAR ENDING 31ST DECEMBER, 1889.

1889—Dec. 31. RECEIPTS.		£ s. d.	£ s. d.
Admissions to Gardens—			
Members	4,904		
Public Institutions	2,140		
By Members' Tickets	58		
Visitors at 1s.	8,261	413 1 0	
Do. at 6d.	10,091	252 5 6	
Do. at 3d.	3,036	37 19 0	
Do. at 2d.	45,478	378 19 8	
Do. at 1d.	11,448	47 14 0	
Total	85,416		1,129 19 2
Government Grant—			
One Year to 1st October, 1889		...	500 0 0
Members' Subscriptions		279 3 0	
Garden Subscribers		10 0 0	
			289 3 0
Donations		...	347 19 0
Tickets sold		..	0 10 0
Animals sold		...	203 7 10
Incidental Receipts		...	25 2 9
			2,496 1 9
Balance due to Bank		...	161 9 1
			£2,657 10 10

EXPENDITURE.	£ s. d.	£ s. d.
1888—Dec. 31.		
Balance due to Bank per last Account		393 15 2
1889—Dec. 31.		
Purchase of Animals	166 7 11	
Provisions for Animals	681 0 8	
Printing	28 11 6	
Advertisements	23 6 2	
Buildings and repairs	200 5 8	
Bands	10 10 0	
Water Rate	90 11 6	
Salaries and Wages	744 15 2	
Incidental Expenditure, including Coal, Coke, Gas, Clothing for Men, Collector's Commission, &c.	315 16 7	
Bank Interest on Overdrawn Account	2 10 6	
		2,263 15 8
		£2,657 10 10

SPECIAL FUND.—IN HANDS OF PRESIDENT AND TREASURER.

			£ s. d.
1888—Dec. 31st	Balance in hands per last Account		73 17 4
1889—Dec. 31st	Member's Life Composition ...	20 0 0	
	New Members' Admission Fees ...	8 0 0	
			28 0 0
			£101 17 4

	£ s. d.
1889—Dec. 31st By Balance in Bank	101 17 4
	£101 17 4

SAMUEL HAUGHTON, *President.*
H. M. BARTON, *Hon. Treasurer.*

9th January, 1890.

I have examined the above Accounts, compared them with Vouchers produced, and find same correct.

H. R. GUINNESS, College-green.

ANIMALS IN THE GARDENS ON 31ST DECEMBER, 1889.

Class Mammalia—Order I. Quadrumana.

Family Cercopithecidæ—Genus Cercopithecus.

1. *Cercopithecus Callitrichus*, Green Monkey, Hab. West Africa; purchased 15th August, 1889.
2. *Cercopithecus diana*, Diana Monkey, Hab. West Africa; purchased 15th August, 1889.
3. *Cercopithecus pluto*, Pluto Monkey, Hab. West Africa; purchased 15th August, 1889.
4. *Cercopithecus petaurista*, Lessor White-nosed Monkey, Hab. West Africa; purchased 15th August, 1889.

Genus Cercocebus.

5. *Cercocebus fuliginosus*, Sooty Mangabey, Hab. West Africa; female, presented by Dr. Dick, 5th May 1888.

Genus Macacus.

6. *Macacus rhesus*, Rhesus Monkey, Hab. Continental India; female, presented by Sergeant Patrick Hogan, 4th R. I. Fusiliers, 22nd December, 1887; male, purchased 6th June, 1889; female, purchased 12th December, 1889.

Genus Cynopithecus.

7. *Cynopithecus Niger*, Black Ape, Hab. Celebes; male and female, purchased 24th October, 1889.

Genus Cynocephalus.

8. *Cynocephalus hamadryas*, Arabian Baboon, Hab. Arabia and Abyssinia; purchased 24th October. 1889.
9. *Cynocephalus papio*, Dog-faced Baboon, Hab. Africa; 2 males purchased 15th August, 1889.

Genus Cebus.

10. *Cebus fatuellus*, Brown Capuchin, Hab. Guiana; 4 males purchased 24th October, 1889.
11. *Cebus albifrons*, White-fronted Capuchin, Hab. South America; 5 males, purchased 8th August, 1889.

Family Hapalidæ—Genus Hapale.

12. *Hapale jacchus*, Common Marmoset, Hab. South East Brazil; male and female, purchased 24th October, 1889.

Order II.—Lemures—Family Lemuridæ.

Sub-Family emurinæ—Genus Lemur.

13. *Lemur brunneus*, Black-headed Lemur, Hab. Madagascar; male, purchased 30th October, 1884.

Order III.—Carnivora.

Family Felidæ—Genus Felis.

14. *Felis leo*, Lion, Hab. Africa and South Western Asia; male, born in the Gardens, 9th October, 1879; female (Minnie), purchased 13th February, 1883; female (Queen), purchased 13th February, 1883; female, born in the Gardens (Minnie), 24th October, 1886; male, born in the Gardens (Queen's), 6th November, 1886; male and female (Queen's), born in the Gardens, 26th June, 1889. Total 7.

15. *Felis tigris*, Tiger, Hab. Eastern Asia; male, presented by His Highness the Raja of Partabghur, through General Montgomery; female, purchased 21st May, 1885; 3 males, presented by Dr. Heuston, 24th October, 1889,

16. *Felis pardus*, Leopard, Hab. Southern Asia and Africa; male, purchased 22nd April, 1878; female presented by H. J. Henderson, Esq., 27th October, 1882; female, purchased; male (African), presented by Dr. Digby, 21st May, 1885; male (African) presented by Dr. Digby, 21st May, 1885; male, black variety, purchased 8th June, 1886.

17. *Felis concolor*, Puma, Hab. America; female, purchased 21st May, 1886; female, purchased 11th July, 1889; male, purchased 28th November, 1889.

Family Viverridæ—Genus Genetta.

18. *Genetta tigrina*, Blotched Genet, Hab. South Africa; purchased 21st November, 1889.

19. *Nandinia binotata*, Hab. West Coast of Africa; presented by Dr. Harte, 26th March, 1882.

Genus Herpestes.

20. *Herpestes fasciatus*, Banded Ichneumon, Hab. West Africa; purchased 21st November, 1889.

Genus Suricata.

21. *Suricata tetradactyla*, Suricate, Hab. South Africa; purchased 13th October, 1887.

Family Canidæ—Genus Canis.

22. *Canis familiaris*, Burmese Dog, Hab. Burmah; male, presented by Commander F. French, 5th July, 1886.

23. *Canis familiaris*, Egyptian Dog, male, presented 3rd April, 1884, by Lieutenant Cusack; taken on the battlefield of Tel-el-Kebir.

24. *Canis tibetanus*, "The Griffin," of Herodotus, Hab. Thibet; presented by G. Rosse, Esq., D.I., R.I.C., 6th October, 1885.

25. *Canis vulpes*, Common Fox, Hab. British Islands; male, purchased 23rd July, 1882; male, presented by the Marquis of Kildare, 10th Feb., 1887; female, presented by C. A. Nash, Esq., 29th March, 1888.

26. *Canis lagopus*, Arctic Fox, Hab. Arctic Regions, presented by the Rev. Dr. Haughton, 15th November, 1888.

Family Mustelidæ—Genus Meles.

27. *Meles taxus*, Common Badger, Hab. British Islands; male, presented by Major Kingscote, 12th April, 1888; male, presented by Sir John Dillon, Bart., 26th April, 1888; male, presented by Captain Archdale, 17th May, 1888; male, presented by Captain Adams, 27th June, 1889.

Genus Lutra.

28. *Lutra vulgaris*, Common Otter, Hab. British Islands; male, purchased 7th October, 1885; male, presented by G. M'Auliffe, Esq., 5th August, 1889; male and female, presented by T. M. Hutton, Esq., 24th October, 1889.

Family Procyonidæ—Genus Procyon.

29. *Procyon lotor*, Raccoon, Hab. North America; presented by the Duke of Hamilton, 9th May, 1889.

Genus Nasua.

30. *Nasua rufa*, Ring-tailed Coati, Hab. South America; male, purchased 6th May, 1886.

Family Ursidæ—Genus Ursus.

31. *Ursus maritimus*, Polar Bear, Hab. Polar regions; female, presented by W. Findlater, Esq., 25th November.

32. *Ursus arctos*, Brown Bear, Hab. Northern Europe and Asia; male; presented by —— Denton, Esq., 27th January, 1871; male, presented by Lord William Compton, 14th October, 1880.

33. *Ursus tibetanus*, Himalayan Bear, Hab. Northern India and China; male and female, presented by Lord Mayo, 15th August, 1872; female, presented by R. Rathborne, Esq.

34. *Ursus americanus*, Black Bear, Hab. North America; male and female, purchased 8th August, 1889.

Genus Melursus.

35. *Melursus ursinus*, Sloth Bear, Hab. India; purchased 22nd September, 1886.

Order VI.—Rodentia.

Family Sciuridæ—Genus Sciurus.

36. *Sciurus vulgaris*, Common Squirrel, Hab. British Islands; purchased 5th July, 1889.

37. *Sciurus cinereus*, Grey Squirrel, Hab. North America; male, purchased 29th January, 1885.

Family Hystricidæ—Genus Hystrix.

38. *Hystrix cristata*, Crested Porcupine, Hab. Asia and Africa; presented by J. Nixon, Esq., 19th October, 1882.

Family Dasyproctidæ—Genus Dasyprocta.

39. *Dasyprocta aguti*, Golden Agouti, Hab. Guiana; male and female, purchased 24th October, 1889.

Family Cavidæ—Genus Cavia.

40. *Cavia porcellus*, Restless Cavy or Guinea Pig; presented by T. Lane, Esq., 3rd October, 1889.

Family Leporidæ—Genus Lepus.

41. *Lepus cuniculus*, Common Rabbit, Hab. British Islands; purchased July, 1887; 3 presented by H. Waterhouse, Esq., 31st December, 1888.

Order viii.—Proboscidea.

Family Elephantidæ—Genus Elephas.

42. *Elephas indicus*, Indian Elephant, Hab. India ; male, purchased 9th March, 1882 ; female, purchased 9th March, 1882.

Order ix.—Ungulata. Sub-Order i. Perissodactyla.

Family Equidæ—Genus Equus.

43. *Equus burchellii*, Burchell's Zebra, Hab. South Africa ; male, purchased.

Sub-order ii.—Artiodactyla—Family Bovidæ.

Sub-family Bovinæ—Genus Bos.

44. *Bos taurus*, Kerry Cow ; presented by H. M. Barton, Esq.

45. *Bos indicus*, Zebu, Hab. India ; male, presented by L. M. Morgan, Esq., 26th January, 1881 ; female Hybrid, between this species and *Bos taurus*, born in Gardens, 21st January, 1887 ; male and female Pigmy Cattle, purchased 21st March, 1889 ; female Hybrid, between *Bos indicus* and *Bos taurus*, born in the Gardens, 1st May, 1889 ; female (Zebu) purchased 1st August, 1889.

Genus Bison.

46. *Bison americanus*, American Bison, Hab. North America ; male, purchased 29th March, 1881.

Genus Poephagus.

47. *Poephagus grunniens*, Yak, Hab. Thibet ; female, purchased 5th May, 1887.

Sub-family Antilopinæ—Genus Antilope.

48. *Antilope cervicapra*, Indian Antilope ; female, purchased 13th October.

Genus Ovis.

49. *Ovis aries*, Domestic Sheep ; female Hybrid, between above and fat-tailed sheep of Syria, born in the Gardens, 12th April, 1886.

Sub-family Carinæ—Genus Ovis.

50. *Ovis tragelaphus*, Barbary Wild Sheep, Hab. North Africa ; purchased 3rd October, 1889.

Sub-family Caprinæ—Genus Cervus.

51. *Cervus elaphus*, Red Deer, Hab. Europe ; female, born in the Gardens 20th August, 1884 ; female, born in the Gardens 25th August, 1885.

52. *Cervus canadensis*. Wapiti Deer, Hab. North America ; purchased 21st March, 1889.

53. *Cervus aristotelis*, Sambur Deer, Hab. India ; female, purchased 6th May, 1886 ; male, purchased 21st March, 1889.

54. *Cervus porcinus*, Hog Deer, Hab. India ; purchased 21st March, 1889.

55. *Cervulus muntjac*, Barking Deer, Hab. India ; male and female purchased.

Genus Dama.

56. *Dama vulgaris*, Fallow Deer, Hab. Europe; male presented by the Board of Works, 10th November, 1887.

Genus Alces.

57. *Alces machlis*, Moose, Hab. Northern Europe and North America; male, purchased 14th July, 1887.

Family Camelidæ—Genus Lama.

58. *Lama peruana*, Llama, Hab. Peru; 3 females and 1 male, purchased 7th July, 1881; male, born in the Gardens, 20th July, 1883; male, born in the Gardens 28th May, 1886; male, born in the Gardens 20th July, 1886; female, born in the Gardens, 26th July, 1888.

Genus Camelus.

59. *Camelus dromedarius*, Common Camel, Hab. Egypt; male, purchased 25th November, 1885.

Family Phaeangistidæ—Genus Phalangista.

60. *Phalangista vulpina*, Vulpine Phalynger, Hab. Australia; male, presented by Dr. J. Brown, October 7th.

Family Macropodidæ—Genus Petrogale.

61. *Petrogale penicillata*, Brush-tailed Kangaroo, Hab. New South Wales; male, purchased 26th May, 1887; female, purchased 26th May, 1887; male, born in the Gardens 11th March, 1889.

62. *Macropus sp.*, Kangaroo, Australia, purchased.

Class Aves—Order I. Passeres.

Family Turdidæ.

1. *Turdus musicus*, Song Thrush, Hab. British Islands.
2. *Turdus merula*, Blackbird, Hab. British Islands.
3. *Erithacus rubecula*, Redbreast, Hab. British Islands.

Family Ploceidæ.

4. *Estrelda cinerea*, Common Waxbill, Hab. West Africa; presented by W. R. Joynt, Esq., 11th June, 1885; 7 purchased 3rd April, 1884.

7. *Hyphantornis capensis*, Olive Weaverbird, Hab. South Africa; purchased 3rd April, 1888.

Family Fringillidæ.

8. *Passer montanus*, Tree Sparrow, Hab. British Islands; presented 1888.

9. *Ligurinus chloris*, Greenfinch, Hab. British Islands; presented by C. J. Wallace, Esq., 12th April, 1885.

10. *Fringilla cœlebs*, Chaffinch, Hab. British Islands; purchased 12th April, 1885.

11. *Carduelis elegans*, Goldfinch, Hab. British Islands; purchased 12th April, 1885.

12. *Serinus canarius*, Canary, Hab. Canary Islands; presented by Dr. Gordon, R.I.C.

13. *Linota cannabina*, Linnet, Hab. British Islands; purchased 12th April, 1885.

GENUS ACRIDOTHERES.

14. *Acridotheres ginginianus*, Indian Mynah, Hab. Bengal; purchased July, 1889.

FAMILY CORVIDÆ.

15. *Corvus corax*, Raven, Hab. Europe and North America; purchased 9th October, 1884.

GENUS CYANOCITTA.

16. *Cyanocitta crestata*, Blue Jay, Hab. North America; presented by S. K. Twigg, Esq., 1889.

GENUS GYMNORHINA.

17. *Gymnorhina lenconota*, Piping Crow, Hab. South Australia; presented by E. G. Pennington, Esq., R.I.C., 18th April, 1889.

ORDER III.—PSITTACI.

FAMILY CACATUIDÆ.—SUB-FAMILY CACATUINÆ.

18. *Cacatua galerita*, Greater Sulphur-crested Cockatoo, Hab. Australia; 1 presented by Mrs. Hutchinson, January 10th, 1884; 1 presented by Mrs. Thornley Stoker, 7th February, 1884; presented.

19. *Cacatua sulphurea*, Lesser Sulphur-crested Cockatoo, Hab. Moluccas; presented by L. F. Perrin, Esq., 16th February, 1884.

20. *Cacatua roseicapilla*, Roseate Cockatoo, Hab. Australia; 1 purchased 23rd June, 1881; 6 purchased 22nd September, 1887.

21. *Licmetis tenuirostris*, Slender-billed Cockatoo, Hab. South Australia; 4 purchased 23rd June, 1881.

SUB-FAMILY CALOPSITTINÆ.

22. *Callipositta novæ-hollandiæ*, Cockateel, Hab. Australia; 4 purchased 6th September, 1883.

FAMILY PALÆORNITHIDÆ.

23. *Aprosmictus scapulatus*, King Parrakeet, Hab. New South Wales; male, purchased 22nd September, 1887.

24. *Melopsittacus undulatus*, Undulated Grass Parakeet, Hab. Australia; 4 purchased 23rd June, 1881.

FAMILY PSITTACIDÆ.

25. *Ara militaris*, Red and Yellow Macaw, Hab. South America; purchased 21st November, 1863; purchased 20th October, 1887.

26. *Ara ararauna*, Blue and Yellow Macaw, Hab. South America; presented by Miss Johnston, 31st January, 1884.

27. *Ara chloroptera*, Green Macaw, Hab. Brazil; purchased 22nd Sept., 1887.

28. *Brotogenys tiriacula*, All-green Parrakeet, Hab. South America; purchased 23rd June, 1881.

ORDER IV.—STRIGES.

FAMILY STRIGIDÆ.

29. *Strix flammea*, Barn Owl, Hab. Europe, Asia, Africa and America.

Family Asionidæ.

Genus Asio.

30. *Asio brachyotus*, Short-eared Owl, Hab. Europe, Asia, Africa and America; 2 presented by Lord Maurice FitzGerald, 25th August, 1887; 1 presented by J. Gibney, Esq., 29th August, 1889.

Genus Syrnium.

31. *Syrnium aluco*, Tawny Owl, Hab. Europe; presented by C. J. Wallace, Esq., 19th July, 1888.

32. *Bubo maximus*, Great Eagle-Owl, Hab. Europe and North Asia; purchased 8th September, 1887.

33. *Bubo maculosus*, Spotted Eagle-Owl, Hab. Africa; 2 presented by Lieutenant Campbell, 2nd Connaught Rangers, 1882.

Order v.—Accipitres.

Family Falconidæ.

34. *Circus æruginosus*, Marsh Harrier, Hab. Europe; exchanged for Pigeons, 3rd July, 1884; presented by J. C. Carter, Esq., D.I., R.I.C., 20th January, 1887.

35. *Buteo vulgaris*, Buzzard, Hab. Europe; presented by John Fowler Coakson, Esq., 21st July, 1887.

36. *Buteo desertorum*, African Buzzard, Hab. Africa; presented by Dr. Brooks, 15th March, 1883.

37. *Buteo jacal*, Jackal Buzzard, Hab. Africa.

38. *Milvus migrans*, Black Kite, Hab. Russia.

39. *Aquila maritima*, Hab. British Isles, &c.

40. *Aquila chrysaetus*, Golden Eagle, Hab. Europe and North America; presented by the Earl of Roden, Secretary, 1883; presented by A. M. Laihe, Esq., 11th June, 1885; presented by the Queen's College, Galway, 29th November, 1887.

41. *Aquila imperialis*, Imperial Eagle, Hab. Europe and Asia; presented by R. T. Montgomery, Esq., 4th January, 1873.

42. *Aquila audax*, Wedge-tailed Eagle, Hab. Australia; presented by R. Roe, Esq., 27th September, 1867; presented by J. J. Carey, Esq., 24th April, 1874.

43. *Spizaetus coronatus*, Crowned Hawk-Eagle, Hab. Senegal; presented by the Rev. Mr. Gerde, 21st May, 1886.

44. *Falco peregrinus*, Peregrine Falcon, Hab. Europe; presented by Lord Powerscourt, 16th June, 1887; 1 presented by L. F. Perrin, Esq., 6th June, 1889.

45. *Tinnunculus alaudarius*, Kestrel, Hab. British Islands.

2	Presented by	J. Donnelly,	30th August, 1888.
2	,,	,,	7th September, 1888.
1	,,	,,	3rd December, 1885.
1	,,	,,	19th December, 1885.
1	,,	,,	6th October, 1887.
1	,,	,,	10th November, 1887.

46. *Gypohierax angolensis*, Angolan Vulture, Hab. West Africa; presented by Dr. Harte, 13th July, 1882; presented by Dr. Sullivan through Dr. Nixon, 13th January, 1887.

Family Cathartidæ.

47. *Sarcorhamphus gryphus*, Condor Vulture, Hab. South America; presented by the Zoological Gardens, London, 9th September, 1852; purchased 18th March, 1867.

Order vi.—Steganopodes.

Family Pelecanidæ.

48. *Pelecanus onocrotalus*, White Pelican, Hab. Southern Europe and North Africa; 2 purchased 29th November, 1867.

Family Phalacrocoracidæ.

49. *Sula bassana*, Gannet, Hab. British Islands; presented by Captain Boxer, R.N., 30th August, 1888.

50. *Phalacrocorax carbo*, Common Cormorant, Hab. British Islands; presented by Captain Boxer, R.N., 21st July, 1887.

Order vii.—Herodiones.

Family Ciconiidæ.

51. *Ciconia alba*, White Stork, Hab. Europe; 2 purchased 26th June, 1886.

Order x.—Anseres.

Family Anatidæ.

Sub-Family ii.—Cereopsinæ.

52. *Cereopsis novæ-hollandiæ*, Cereopsis Goose, Hab. Australia; male, purchased 7th September, 1886.

53. *Bernicla leucopsis*, Bernicle Goose, Hab. Europe; 4 purchased 10th May, 1888; 1 presented by Captain Boxer, R.N., 5th April, 1888.

54. *Bernicla canadensis*, Canada Goose, Hab. North America; 4 presented by the Marquis of Ely, 5th July, 1883; 1 born in the Gardens, 1886; 6 presented by the Board of Works, 23rd June, 1887.

55. *Bernicla brenta*, Brent Goose, Hab. Europe; 4 purchased 5th April, 1888; 6 purchased 10th May, 1888.

Sub-Family iv.—Cygninæ.

56. *Cygnus olor*, Mute Swan, Hab. Europe; 2 presented by — Kinahan, Esq., 15th November, 1883; 1 presented by Lady Gough, 26th November, 1885; 2 presented by the Board of Works, 3rd December, 1885; 4 presented by the Board of Works, 23rd June, 1887; 2 hatched in the Gardens, 9th June, 1887.

57. *Dendrocyyna javanica*, Indian Tree Duck, Hab. India; 3 purchased 5th May, 1887.

58. *Tadorna vulpanser*, Common Sheldrake, Hab. Europe; 4 purchased 8th September, 1887; presented by Captain Boxer, R.N., 8th December, 1887.

59. *Cairina moschata*, Muscovy Duck, Hab. South America; male and female, presented by the Board of Works, 23rd June, 1887.

60. *Anas boscas*, Wild Duck, Hab. Europe; 2 males, presented by the Board of Works, July, 1886; 4 females, presented by Howard Waterhouse, Esq., 28th October, 1887; 12 Hybrids, hatched in the Gardens, June, 1887; 24 Hybrids hatched in the Gardens, July, 1888.

61. *Querquedula crecca*, Common Teal, Hab. Europe; 5 purchased 13th May, 1886; 5 females, purchased 13th May, 1886; 10 purchased 5th April, 1888; 4 males and 4 females, purchased 11th April, 1889.

62. *Mareca penelope*, Wigeon, Hab. Europe; 4 males and 4 females, purchased 13th May, 1886; 4 males and 4 females, purchased 17th March, 1887; 8 purchased 10th May, 1888; 2 males and 2 females, purchased 11th April, 1889.

63. *Æx sponsa*, Summer Duck, Hab. North America; male and female, purchased 13th May, 1886.

Sub-Family VI.—Fuligulinæ.

64. *Fuligula ferina*, Pochard, Hab. Europe; 6 males and 6 females, purchased 17th May, 1887; 2 purchased 10th May, 1888.

65. *Clangula glaucion*, Golden-eye, Hab. Europe; 2 males and 2 females, purchased 13th May, 1887.

Order XI.—Columbæ.

Family Columbidæ.

66. *Columba ænas*, Stock Dove, Hab. British Islands, 2 presented by Edward Williams, Esq.

Order XIII.—Gallinæ.

Family Phasianide.

67. *Phasianus colchicus*, Pheasant, Hab. British Islands; male and female, purchased 22nd February, 1888.

68. *Thaumalea picta*, Golden Pheasant, Hab. China; cock presented by H. M. Barton, Esq., 31st January, 1885; 1 Hybrid, between this species and *Thaumalea amherstiæ*, purchased 22nd February, 1885; 2 cocks, presented by Francis Norman, Esq., December, 1887.

69. *Euplocamus nycthemerus*, Silver Pheasant, Hab. China; 3 hens, presented by Major Irwin, 22nd September, 1881; cock and hen, presented by Charles J. Wallace, Esq., May, 1886.

70. *Pavo cristatus*, Common Peafowl, Hab. India; 2 males, purchased 22nd July, 1886.

Family Cracidæ.

71. *Ortalis sp.* Guan, Hab. South America; purchased 23rd June, 1881.

Order XVI.—Fulicariæ.

Family Rallidæ.

72. *Porphyrio cæruleus*, Purple Gallinule, Hab. South Western Europe; 2 presented by Dr. Nixon, 22nd September, 1887.

Order XIX.—Laviæ.

Family Laridæ.

73. *Larus argentatus*, Herring Gull, Hab. Europe; presented by Dr. P. T. Abraham, 30th October, 1881.

Class Reptilia—Order Testudinata.

Family Emydidæ.

1. *Emys europæa*, European Pond Tortoise, Hab. Europe.

Order Crocodilia.

Family Crocodilidæ.

2. *Alligator mississippiensis*, Alligator, Hab. Mississippi; purchased 25th October, 1883; presenteted by Major G. Healy, 3rd June, 1886; presented by Walter Gape, Esq., September 23rd, 1886; presented by E. V. Selfe, Esq., 18th August, 1887.

Order Ophidia.

Family Boidæ.

3. *Python sp.*, Hab. Africa; presented by Dr. Harte, 13th July, 1882.

Class Pisces.

Family Percidæ.

1. *Perca fluviatilis*, Common Perch, Hab. British fresh waters.

Family Gobiidæ.

2. *Gobius niger*, Black Goby, Hab. British Seas.
3. *Gobius minutus*, Freckled Goby, Hab. British Seas.

Genus Amiiuus.

4. *Amiueus catus*, Cat Fish, Hab. North America; presented by W. E. Crofton, Esq., 25th July. 1889.

Family Salmonidæ.

5. *Salmo fario*, Common Trout, Hab. British fresh waters.

Family Esocidæ.

6. *Esox lucius*, Pike, Hab. British fresh waters.

Family Cyprinidæ.

7. *Gobio fluviatilis*, Common Gudgeon, Hab. British fresh waters.
8. *Leuciscus rutilus*, Roach, Hab. British fresh waters.
9. *Leuciscus phoxinus*, Minnow, Hab. British fresh waters.
10. *Tinca vulgaris*, Common Tench, Hab. British fresh waters.

Family Muræniidæ.

11. *Anguilla vulgaris*, Common Eel, Hab. British fresh waters.

RETURN OF ANIMALS ACQUIRED

BY THE

Royal Zoological Society of Ireland

DURING THE YEAR 1889.

DATE	ANIMALS	PRESENTED BY
Feb. 14—3	Rabbits, *Lepus cuniculus*, Hab. British Islands	J. Stubbs, Esq., Vice-regal Lodge
Feb. 21—2	Kestrels, *Tinnunculus alaudarius*, Hab. British Islands	Master C. W. Walsh, Garristown, co. Meath
April 18—1	Piping Crow, *Gymnorhina leuconota*, Hab. South Australia	E. G. Pennington, Esq., R.I.C. Depot
May 9—1	Racoon, *Procyon lotor*, Hab. North America	The Duke of Hamilton
May 23—1	Wonderoo, *Macacus silenus*, Malabar, Coast of India	J. Welsh, Esq., 14, Leinster-road
May 23—1	Green Monkey, *Cercopithecus callitrichus*, Hab. West Africa	The Hon. H. Massey
June 6—1	Peregrine, *Falco peregrinus*, Hab. Europe	L. F. Perrin, Esq., Kingstown
June 20—1	Michie's Deer, *Elaphodus michianus*, Hab. China	J. Cosey, Esq., Raheny
June 20—1	Badger, *Meles taxus*, Hab. British Islands	A. West, Esq., Bray
June 27—1	Badger, *Meles taxus*, Hab. British Islands	Capt. Adams, Montgomeryshire
July 25—2	Catfish, *Amiurus catus*, Hab. North America	W. E. Crofton, Esq., 31, Up. Sackville-st.
Aug. 29—1	Chameleon, *Chamæleon vulgaris*, Hab. North Africa	E. J. Morgan, Esq., North Circular-road
Aug. 29—1	Horned Owl, *Asi brachyotus*, Hab. Europe	J. Gibney, Esq., Patrick street
Sept. 5—1	Otter, *Lutra vulgaris*, Hab. British Islands	G. M'Auliffe, Esq., 6, Chichester-st., Belfast
Oct. 3—2	Guinea Pigs, *Cavia porcellus*	T. Lane, Esq., North Circular-road
Oct. 10—3	Otters, *Lutra vulgaris*, Hab. British Islands	T. M. Hutton, Esq., Summerhill
Oct. 10—2	Kangaroo Rats, *Hypsiprumnus*	
Oct. 24—3	Tigers, *Felis tigris*, Hab. Eastern Asia	Dr. Heuston
Nov. 14—1	Heron, *Ardea cinerea*, Hab. Europe	E. B. Holt, Esq., University Club, Pall Mall, London
—1	Fox, *Canis vulpes*, Hab. British Islands	Mrs. Thomas Weldon, Cooline Ho., co. Cork
—1	Blue Jay, *Cyanocitta cristata*, Hab. North America	S. K. Twigg, Esq., 5, Bachelor's-walk

ANIMALS PURCHASED.

1889		ANIMALS PURCHASED
January	24—7	Dogface Monkeys, *Cynocephalus papio*, Hab. Africa
March	7—1	Badger, *Meles taxus*, Hab. British Islands
,,	21—2	Pigmy Cattle, *Bos indicus*, Hab. India
,,	21—1	Wapiti Deer, *Cervus canadensis*, Hab. North America
,,	21—1	Sambur Deer, *Cervus aristotelis*, Hab. India
,,	21—1	Hog Deer, *Cervus porcinus*, Hab. India
April	11—8	Teal, *Querquedula crecca*, Hab. Europe
,,	11—4	Wigeon, *Mareca penelope*, Hab. Europe
,,	11—4	Pintails, *Dafila acuta*, Hab. Europe
,,	11—4	Pochards, *Fuligula ferina*, Hab. Europe.
,,	11—1	Summer Duck, *Æx sponsa*, Hab. North America
,,	11—1	Mandarin Duck, *Æx galericulata*, Hab. China
May	23—1	Fox, *Canis vulpes*, Hab. British Islands
June	6—1	Rhesus Monkey, *Macacus rhesus*, Hab. Continental India
August	1—1	Zebu, *Bos indicus*, Hab. India
,,	8—5	White-fronted Capuchin Monkeys, *Cebus albifrons*, Hab. South America
,,	8—2	Black Bears, *Ursus americanus*, Hab. North America
,,	8—6	Sheldrakes, *Tadorna vulpanser*, Hab. Europe
,,	8—1	Lesser White-nose Monkey, *Cercopithecus petaurista*, Hab. West Africa
,,	8—1	Diana Monkey, *Cercopithecus diana*, Hab. West Africa
,,	8—1	Green Monkey, *Cercopithecus callitrichus*, Hab. West Africa
,,	8—1	Pluto, *Cercopithecus pluto*, Hab. West Africa
,,	8—5	Dogface Monkeys, *Cynocephalus papio*, Hab. West Africa
October	3—1	Barbary Wild Sheep, *Ovis tragelaphus*, Hab. North Africa
,,	24—6	Brown Capuchin Monkeys, *Cebus fatuellus*, Hab. Guiana
,,	24—2	Golden Agouti, *Dasyprocta aguti*, Hab. Guiana.
,,	24—2	Marmosets, *Hapale jacchus*, Hab. South-east Brazil
,,	24—2	Black Apes, *Cynopithecus niger*, Hab. Celebes
,,	24—1	Arabian Baboon, *Cynocephalus hamadryas*, Hab. Arabia and Abyssinia
Novem.	21—1	Banded Ichneumon, *Herpestes fasciatus*, Hab. West Africa
,,	21—1	Blotched Genet, *Genetta tigrina*, Hab. South Africa

ANIMALS BORN IN THE GARDENS DURING THE YEAR 1889.

May	1—1	Hybrid, between Kerry Cow and Zebu Bull
June	26—2	Lion Male and Female, *Felis leo*, (Queen's) Hab. Africa and South Western Asia
August	1—1	Indian Antelope, *Antilope cervicapea*, Hab. India
December	5—1	Sambur Deer, *Cervus aristotelis*, Hab. India

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✠ FitzGerald, Lord Maurice, H.M.L., Johnstown Castle, co. Wexford
✠ Fitzgerald, Thomas, J.P., 22 Fitzwilliam-place
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